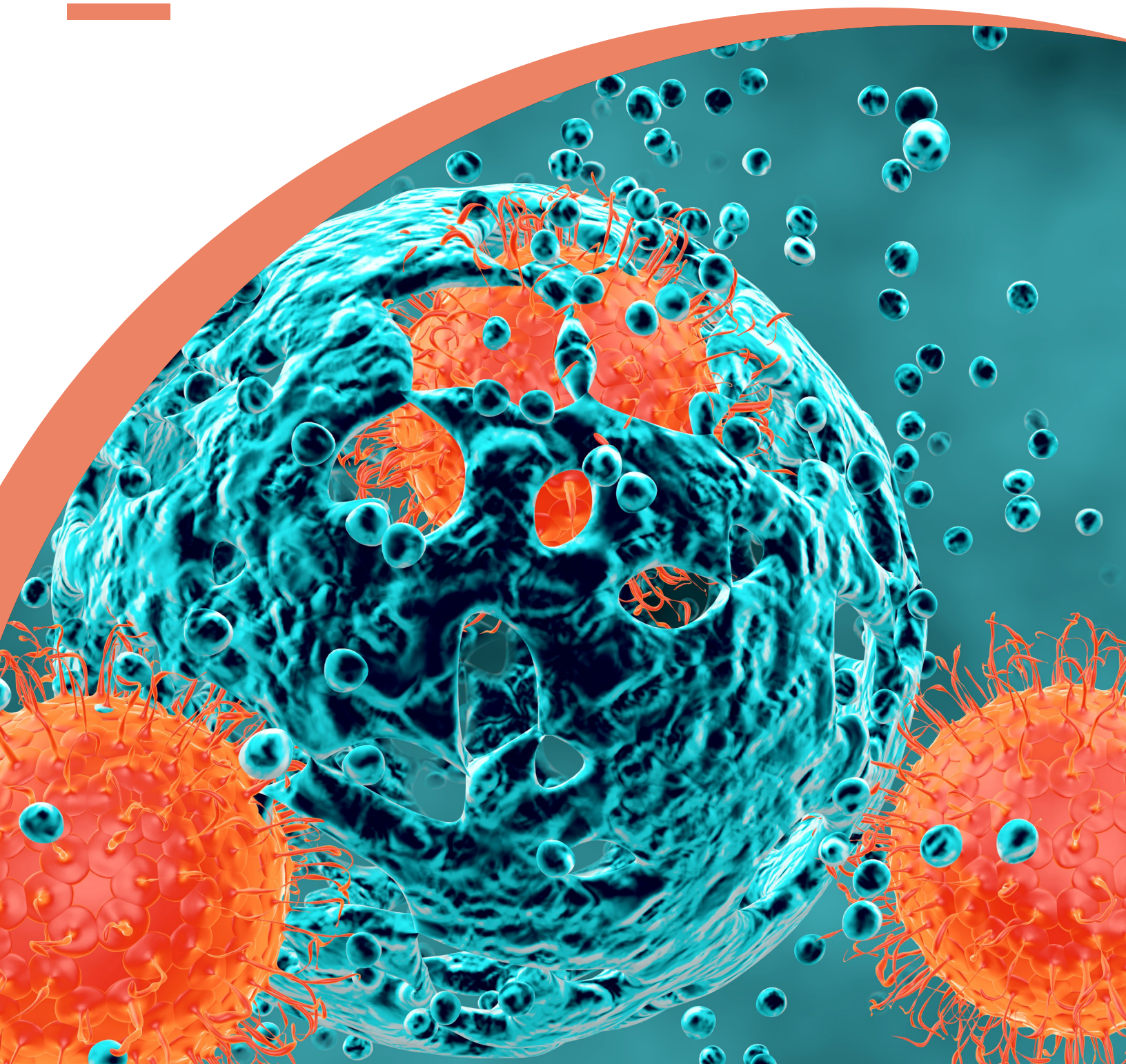




COSMO BIO USA

Inspiration for Life Science

Immunology Research Reagents



IMMUNOLOGY RESEARCH REAGENTS

To support Immunology researchers Cosmo Bio offers a comprehensive range of immunology products from antibodies, ELISA Kits, proteins, and cell culture. Here's a sampling of our popular immunology reagents and kits, organized by various research areas.

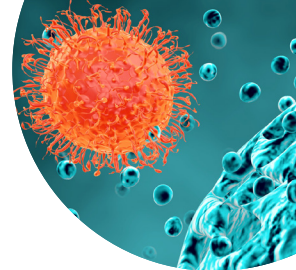
Innate Immunity

Innate immunity is the body's first line of defense against infections, providing a rapid, non-specific response to pathogens. It relies on physical barriers like the skin and mucous membranes, as well as immune cells such as macrophages, neutrophils, and dendritic cells that recognize and respond to common microbial features. Innate immunity also involves soluble molecules like cytokines, complement proteins, and antimicrobial peptides that help eliminate invaders and activate the adaptive immune system. This system is crucial for immediate protection and maintaining immune homeostasis.

Pattern Recognition Receptors (PRRs)

Antibodies and assays targeting Toll-like receptors (TLRs), NOD-like receptors (NLRs), and other PRRs involved in pathogen recognition.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
ELISA Kits			
Toll-like receptor 2 (TLR2)	ELISA Kit	Human	CSB-E11781h
Toll-like receptor 4 (TLR4)	ELISA Kit	Human	CSB-E12954h
Toll-like receptor 4 (TLR4)	ELISA Kit	Rat	CSB-E15822r
Soluble Toll-like Receptor 4 (sTLR4)	ELISA Kit	Mouse	CSB-E14275m
Soluble Toll-like Receptor 6 (TLR-6)	ELISA Kit	Human	CSB-E15888h
Monoclonal Antibodies (mAb)			
Anti Probable ATP-Dependent RNA Helicase DDX58 (RIG-I/RLR-1)	mAb	Clone SS1A	CAC-SU-IZ-M02
Anti Macrophage Scavenger Receptor 1 (MSR1/CD204)	mAb	Clone SRA-E5p6	CAC-KMU-MA01A
Anti-TLR2 (CD282)	mAb	Mouse, Clone: mT2.7	MBL-K0211-3
Anti-TLR4-MD-2 complex	mAb	Mouse, Clone: MTS510	MBL-D079-3
Anti-TLR9 (CD289)	mAb	Human, Clone: 5G5	MBL-K0213-3
Polyclonal Antibodies (pAb)			
Anti Nucleotide-Binding Oligomerization Domain-Containing Protein 1 (NOD1)	pAb		CAC-THU-A-NOD1
Anti Nucleotide-Binding Oligomerization Domain-Containing Protein 2 (NOD2)	pAb		CAC-THU-A-NOD2



Other Innate Immunity Molecules

Antibodies and assays targeting non-TLR/NLR molecules involved in innate immunity.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
ELISA Kits			
HLA Class II Histocompatibility Antigen Gamma Chain (CD74) ELISA Kit (human)	ELISA Kit	Human	CSB-EL004956HU
Monoclonal Antibodies (mAb)			
Anti Biglycan (BGN)	mAb	Clone 905A7	CAC-PRPG-BG-M01
Anti ATP-dependent RNA Helicase A (DHX9)	mAb	Clone 8E3	CAC-CEC-042
Anti Serpin B3 (SCCA1/T4-A) and Serpin B4 (SCCA2/Leupin)	mAb	Clone SS6A	CAC-SU-IZ-M07
Anti Serpin B3 (SCCA1/T4-A)	mAb	Clone SS6C	CAC-SU-IZ-M08
Anti Serpin B4 (Leupin/SCCA2)	mAb	Clone SS8J	CAC-SU-IZ-M01
Anti Prohibitin-1 (PHB1)	mAb	Clone 1G5C1	CAC-CEC-051
Anti Prohibitin-2 (PHB2)	mAb	Clone 7F8B3	CAC-CEC-052
Anti CD74	mAb	Clone 8H11	CSB-RA004956A0HU
Polyclonal Antibodies (pAb)			
Anti Tyrosine-Protein Phosphatase Non-Receptor Type 6 (SHP-1/PTPN6)	pAb		CAC-TNL-002-SH1
Anti Tyrosine-Protein Phosphatase Non-Receptor Type 6 (SHP-1/PTPN6) Phospho-Tyr536	pAb		CAC-TNL-002-SH2
Anti Serpin B3 (SCCA1/T4-A) and Serpin B4 (SCCA2/Leupin)	pAb		CAC-SU-IZ-P04
Anti Squamous Cell Carcinoma Antigen 2 (SERPINB3A/SQN-5)	pAb		CAC-SU-IZ-P03
Anti CD74	pAb		ATL-HPA010592-25
Anti KLRB1	pAb		ATL-HPA039113
Anti NKTR	pAb		ATL-HPA051576
Anti KLRF1	pAb		ATL-HPA054038

Cytokines and Chemokines

Recombinant proteins and detection kits and antibodies for innate immune signaling molecules.

PRODUCT NAME	PRODUCT TYPE	SPECIES/CLONE	PRODUCT CODE
ELISA Kits			
Human IL-18 ELISA kit	ELISA Kit	Human	MBL-7620
Mouse IL-18 ELISA kit	ELISA Kit	Mouse	MBL-7625
Monoclonal Antibodies (mAb)			
Anti-IL-18 (Human)	mAb	Clone 125-2H	MBL-D044-3
Anti-IL-33 (Human)	mAb	Clone 5H1	MBL-M138-3
Anti-IL-33 (Mouse)	mAb	Clone 4G4	MBL-M161-3
Anti-IL-33 (Mouse), Functional Grade	mAb	Clone 1F11	MBL-M187-3
Anti-IL-33 (Mouse), Functional Grade	mAb	Clone 2C7	MBL-M188-3
Anti-IL-38 (IL1F10) (Human)	mAb	Clone H127C	MBL-D358-3
Anti-IL-38 (IL1F10) (Human)	mAb	Clone H160A	MBL-D359-3
Anti-Osteopontin (SPP1) (Human)	mAb	Clone 4A7D	MBL-W052-3
Polyclonal Antibodies (pAb)			
Anti Chemokine-like Factor 1/CKLF1	pAb		KAL-KR072
Anti Interleukin-32 (IL32)	pAb		CAC-SU-IZ-P02
Anti-IL-33 (Human)	pAb		MBL-PM033
Recombinant Proteins			
Recombinant Human IL-18	Protein	Human	MBL-B001-5
Recombinant Human IL-18 (without BSA)	Protein	Human	MBL-B003-5
Recombinant Mouse IL-18	Protein	Mouse	MBL-B002-5
Recombinant Mouse IL-18 (without BSA)	Protein	Mouse	MBL-B004-5



Natural Killer (NK) Cells

Reagents for studying NK cell activation and function.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
Cell Culture			
NK Cell Subculture Medium	Medium		BIJ-N201
KBM501 (Medium for activation of human T cells, NK cells and Dendritic cells)	Medium	For activation of cells	KJN-16025015
KBM502 (Medium for expansion of activated human T cells, NK cells and Dendritic cells)	Medium	For expansion of cells	KJN-16025020
KBM502B (Medium for expansion of activated human T cells, NK cells and Dendritic cells, bag type)	Medium	For expansion of cells, bag	KJN-1602502B
BINKIT for NK cells expansion from PBMCs	Culture Kit		BIJ-N501-1
BINKIT (T25) for NK cells expansion from PBMCs	Culture Kit		BIJ-N503
KBM NK (Complete medium and kit for culturing NK cells from human PBMCs)	Culture Kit		KJN-16030210
ELISA Kits			
CircuLex Human MICA ELISA Kit	ELISA Kit	Human	MBL-CY-8206
Major histocompatibility complex class I chain-related gene A (MICA) ELISA Kit	ELISA Kit	Human	CSB-E13782h
CircuLex Human MICB ELISA Kit	ELISA Kit	Human	MBL-CY-8207
MHC class I polypeptide-related sequence B (MICB) ELISA Kit	ELISA Kit	Human	CSB-EL013813HU
Human Major Histocompatibility Complex, Class I, E (HLA-E) ELISA Kit	ELISA Kit	Human	CSB-EL010507HU
Human Leukocyte Antigen G (HLA-G) ELISA Kit	ELISA Kit	Human	CSB-E09401h
Monoclonal Antibodies (mAb)			
Anti-MICA/B (Human)	mAb	Clone BAMO1	MBL-K0219-3
Anti-MICA/B (Human)	mAb	Clone BAMO3	MBL-K0218-3
Anti-MICA (Human)	mAb	Clone AMO1	MBL-K0217-3
Anti-MICB (Human)	mAb	Clone BMO1	MBL-K0220-3
Anti-HLA-E (Human)	mAb	Clone 4D12	MBL-K0215-3
Polyclonal Antibodies (pAb)			
Anti MICB	pAb		ATL-HPA064618
Anti KIR3DX1	pAb		ATL-HPA052110
Primary Cells			
Human NK Cells	Primary Cells		BIJ-FN100-1

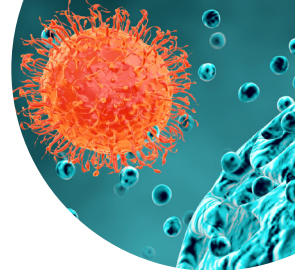
ADAPTIVE IMMUNITY

Adaptive immunity is a specialized and highly specific defense system that develops over time in response to exposure to pathogens or foreign substances. Unlike innate immunity, it provides targeted responses through the activation of lymphocytes—B cells and T cells. B cells produce antibodies that neutralize pathogens, while T cells destroy infected cells or regulate immune responses. Adaptive immunity also has memory, enabling a quicker and stronger response upon subsequent exposures to the same pathogen, forming the basis for immunological protection provided by vaccines.

Major Histocompatibility Complex (MHC)

Antibodies and kits for MHC class I and II molecules, essential for antigen presentation.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
ELISA Kits			
Human beta2-microglobulin, BMG/beta2-MG ELISA Kit	ELISA Kit	Human	CSB-E04883h
Rat beta2-microglobulin, BMG/beta2-MG ELISA Kit	ELISA Kit	Rat	CSB-E11298r
Mouse beta2-microglobulin, BMG/beta2-MG ELISA Kit	ELISA Kit	Mouse	CSB-E13053m
Dog beta2-microglobulin, BMG/beta2-MG ELISA Kit	ELISA Kit	Dog	CSB-E13768c
HLA class II Histocompatibility Antigen, DR Alpha Chain (HLA-DRA) ELISA Kit	ELISA Kit	Human	CSB-EL010497HU
Monoclonal Antibodies (mAb)			
Anti SLA Class Ia Allele	mAb	Clone X2F6	CAC-TKU-MA001
Anti BETA 2 Microglobulin (BMG)	mAb	Clone 37	LNK-KR-011
Anti BETA 2 Microglobulin (BMG)	mAb	Clone 52	LNK-KR-012
Anti-HLA class I (HLA-A,B,C) (Human)	mAb	Clone EMR8-5	MBL-D367-3
Anti-HLA class I (HLA-A,B,C) (Human)	mAb	Clone EMR8-5.1	MBL-D370-3H
Tetramers			
T-Select Human CD1d Tetramer-SA-PE	Tetramer	PE-conjugated	MBL-TS-HCD-1
T-Select Human CD1d Tetramer – APC	Tetramer	APC-conjugated	MBL-TS-HCD-2
T-Select Mouse CD1d Tetramer-SA-PE	Tetramer	PE-conjugated	MBL-TS-MCD-1
T-Select Mouse CD1d Tetramer – APC	Tetramer	APC-conjugated	MBL-TS-MCD-2
Human CD1d Tetramer (α -GalCer loaded)-PE	Tetramer	PE-conjugated, α -GalCer loaded	MBL-TS-HCG-1
Human CD1d Tetramer (α -GalCer loaded)-APC	Tetramer	APC-conjugated, α -GalCer loaded	MBL-TS-HCG-2



Chemokines

Products related to chemokines that modulate adaptive immune responses.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
ELISA Kits			
Fractalkine (FK) ELISA Kit	ELISA Kit	Human	CSB-E04558h
C-X-C motif chemokine 3 (CXCL3) ELISA Kit	ELISA Kit	Human	CSB-EL006249HU
Human Epithelial neutrophil activating peptide 78 (ENA-78/ CXCL5) ELISA Kit	ELISA Kit	Human	CSB-E08178h
C-X-C motif chemokine 16 (CXCL16) ELISA Kit	ELISA Kit	Human	CSB-E08871h
Chemokine (C-X-C motif) Ligand 17 (CXCL17) ELISA Kit	ELISA Kit	Human	CSB-EL006246HU
C-C motif chemokine 1 (CCL1) ELISA Kit	ELISA Kit	Human	CSB-EL004774HU
C-C motif chemokine 2/Monocyte chemotactic and activating factor (CCL2/MCP-1/MCAF) ELISA Kit	ELISA Kit	Human	CSB-E04655h
C-C motif chemokine 2 (CCL2) High Sensitivity ELISA Kit	ELISA Kit	Human	CSB-EQ004783HU
C-C motif chemokine 4 (CCL4) ELISA Kit	ELISA Kit	Human	CSB-EL004797HU
C-C motif chemokine 5 (CCL5/D17S136E/SCYA5) ELISA Kit	ELISA Kit	Human	CSB-E17375h
C-C motif chemokine 7 (CCL7/MCP3/SCYA6/SCYA7) ELISA Kit	ELISA Kit	Human	CSB-E17377h
C-C motif chemokine 8 (CCL8/MCP-2) ELISA Kit	ELISA Kit	Human	CSB-E04656h
C-C motif chemokine 13 (CCL13/MCP4) ELISA Kit	ELISA Kit	Human	CSB-E09762h
C-C motif chemokine 14 (CCL14) ELISA Kit	ELISA Kit	Human	CSB-EL004777HU
C-C motif chemokine 16 (CCL16) ELISA Kit	ELISA Kit	Human	CSB-EL004779HU
Macrophage-derived chemokine (MDC/CCL22) ELISA Kit	ELISA Kit	Human	CSB-E04660h
C-C motif chemokine 23/Myeloid progenitor inhibitory factor 1 (CCL23/MPIF-1) ELISA Kit	ELISA Kit	Human	CSB-E07309h
C-C motif chemokine 26 (CCL26) ELISA Kit	ELISA Kit	Human	CSB-EL004790HU
C-C motif chemokine 27 (CCL27) ELISA Kit	ELISA Kit	Human	CSB-E09125h
Mucosae associated epithelia chemokine (MEC) ELISA Kit	ELISA Kit	Human	CSB-E07310h
Monoclonal Antibodies (mAb)			
Anti CXCL10	mAb	Clone 5C7	CSB-RA903061A0HU

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Chemokines (continued)

Products related to chemokines that modulate adaptive immune responses.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
Anti CXCL13	mAb	Clone CL10543	ATL-AMAb91629
Anti CCL19	mAb	Clone 3A12	CSB-RA859522A0HU
<i>Polyclonal Antibodies (pAb)</i>			
Anti CX3CL1	pAb		ATL-HPA040361
Anti CXCL8	pAb		ATL-HPA057179
Anti CXCL16	pAb		ATL-HPA053253
Anti CXCL16	pAb		ATL-HPA066315
Anti CCL1	pAb		ATL-HPA049861
Anti CCL2	pAb		ATL-HPA019163
Anti CCL14	pAb		ATL-HPA030268
Anti CCL15	pAb		ATL-HPA058608
Anti CCL19	pAb		ATL-HPA067758
Anti CCL21	pAb		ATL-HPA051210
Anti CCL23	pAb		ATL-HPA042015
Anti CCL25	pAb		ATL-HPA055883
Anti CCL27	pAb		ATL-HPA073848
Anti CCL28	pAb		ATL-HPA077434



Cytokines

Products related to interleukins and interferons that modulate adaptive immune responses.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
ELISA Kits			
Interferon Gamma (IFNG) ELISA Kit	ELISA Kit	Human	CSB-E04577h
Interleukin 6 (IL6) ELISA Kit	ELISA Kit	Human	CSB-E04638h
Interleukin 8 (IL8) ELISA Kit	ELISA Kit	Human	CSB-E04641h
Interleukin 10 (IL10) ELISA Kit	ELISA Kit	Human	CSB-E04593h
Interleukin 12 (IL-12/P40) ELISA Kit	ELISA Kit	Human	CSB-E04598h
Interleukin 22 (IL-22) ELISA Kit	ELISA Kit	Human	CSB-E13418h
Interleukin-23 subunit alpha (IL23A) ELISA Kit	ELISA Kit	Human	CSB-E17339h
Interleukin 27 (IL-27) ELISA Kit	ELISA Kit	Human	CSB-E08464h
ELISA Kit Interleukin-27 subunit beta (EBI3) ELISA Kit	ELISA Kit	Human	CSB-EL007360HU
Interleukin 28B (IL-28B) ELISA Kit	ELISA Kit	Human	CSB-E13296h
Interleukin 32 (IL32) ELISA Kit	ELISA Kit	Human	CSB-E12074h
Monoclonal Antibodies (mAb)			
Anti IFN ALPHA	mAb	Clone 3001	IIM-2ACKIA1
Anti IFN BETA	mAb	Clone 4008	IIM-2ACKIB1
Anti IFN BETA	mAb	Clone 4020	IIM-2ACKIB2
Anti Interferon (BETA)	mAb	Clone B02	YMS-7889
Anti BETA Interferon	mAb	Clone 7F-D3	YMS-7891
Anti IL2	mAb	Clone 6512	IIM-2ACKIL2
Anti IL4	mAb	Clone 5D8	CSB-RA24037 7A0HU
Anti IL17A	mAb	Clone CL10252	ATL-AMAb91615
Anti IL23A	mAb	Clone 1F6	CSB-RA251959\ A0HU
Anti-IL33	mAb	Clone CL13438	ATL-AMAb91858
Recombinant Human Anti GM-CSF, Neutralizing, hPBL-derived	mAb	Clone 1-9F, Neutralizing, hPBL-derived	EVC-EVHM0102
Anti IGF-1	mAb	Clone 16G4	LNK-KR-022
Polyclonal Antibodies (pAb)			
Anti IL17B	pAb		ATL-HPA042441
Anti IL17C	pAb		ATL-HPA065051
Anti-IL26	pAb		ATL-HPA077990
Anti Interleukin-32 (IL32)	pAb		CAC-SU-IZ-P02
Anti IL32	pAb		ATL-HPA029397
Anti IL33	pAb		ATL-HPA022899
Anti IL33	pAb		ATL-HPA024426
Anti IL36B	pAb		ATL-HPA035664
Anti-IL36G	pAb		ATL-HPA068168
Anti IL37	pAb		ATL-HPA054371
Anti IL37	pAb		ATL-HPA057950
Anti Chemokine-like Factor 1/CKLF1	pAb		KAL-KR072
Anti Osteopontin	pAb		LSL-LB-4225

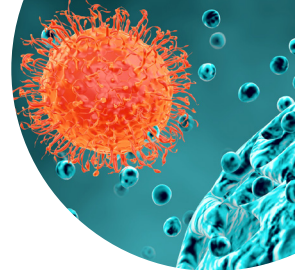
T CELLS

T cells are a type of white blood cell that plays a central role in the adaptive immune system, responsible for recognizing and responding to specific antigens. They originate in the bone marrow but mature in the thymus, where they differentiate into various subsets, including helper T cells (CD4+), cytotoxic T cells (CD8+), and regulatory T cells. Helper T cells coordinate immune responses by activating other immune cells, cytotoxic T cells kill infected or cancerous cells, and regulatory T cells help maintain immune tolerance to prevent autoimmunity. T cells recognize antigens presented by major histocompatibility complex (MHC) molecules on the surface of other cells, enabling precise targeting of pathogens or abnormal cells.

CD Markers

A wide array of antibodies against CD3, CD4, CD8, and other T cell-specific markers.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
Monoclonal Antibodies (mAb)			
Anti-CD8 (Mouse)	mAb	Clone KT15, FITC	MBL-K0227-4
Anti-CD8 (Mouse)	mAb	Clone KT15, PE	MBL-K0227-5
Anti-CD8 (Mouse)	mAb	Clone KT15, Alexa Fluor® 647	MBL-K0227-A64
Anti-CD8a (Human)	mAb	Clone Hit8a, FITC	MBL-K0226-4
Anti Fish T-Cell Surface Glycoprotein CD4	mAb	Clone 6D1	CAC-NIH-NA-01
Anti Fish T-Cell Surface Glycoprotein CD8 Alpha Chain (CD8A)	mAb	Clone 2C3	CAC-NIH-NA-02
Anti-CD9	mAb	Clone A100-4	MBL-MEX001-3
Anti CD274	mAb	Clone 10D4	CSB-RA977797A0HU
Anti-LAG3	mAb	Clone CL14773	ATL-AMAb91992
Anti-LAG3	mAb	Clone CL14765	ATL-AMAb91996
Polyclonal Antibodies (pAb)			
Anti CD36	pAb		ATL-HPA002018
Anti CD226	pAb		ATL-HPA015715
Anti CD226	pAb		ATL-HPA015865
Anti CD226	pAb		ATL-HPA050348
Anti LAG3	pAb		ATL-HPA013967



T Cell Receptor (TCR) Analysis

Reagents for TCR profiling and signaling studies.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
ELISA Kits			
T-Cell Surface Glycoprotein CD3 Zeta Chain (CD247) ELISA Kit	ELISA Kit	Human	CSB-EL004904HU
Monoclonal Antibodies (mAb)			
Anti Feline T-Cell Surface Glycoprotein CD3 Epsilon Chain (CD3E)	mAb	Clone 5G-6-7-3	CAC-ABS-070002
Anti Canine T-Cell Surface Glycoprotein CD3 Epsilon Chain (CD3E)	mAb	Clone 1B9-7-1-1	CAC-ABS-070001
Anti CD3E	mAb	Clone CL1466	ATL-AMAb90876
Anti CD3E	mAb	Clone CL1497	ATL-AMAb90879
Anti Phospho-LAT (Y191)	mAb	Clone 2E4	CSB-RA012767A 191phHU
Polyclonal Antibodies (pAb)			
Anti CD3E	pAb		ATL-HPA040957
Anti CD3E	pAb		ATL-HPA043955
Anti CD3G	pAb		ATL-HPA038494
Anti CD3EAP	pAb		ATL-HPA041664

Functional Assays

Kits to assess T cell proliferation, cytotoxicity, and cytokine production.

PRODUCT NAME	PRODUCT TYPE	CLONE/TYPE	PRODUCT CODE
MTT Cell Proliferation Assay Kit A	Kit		BQC-KF03001A
MTT Cell Proliferation Assay Kit B	Kit		BQC-KF03001B
Resazurin based Cell Viability Assay Kit	Kit		BQC-KC04002

B CELLS

B cells are a type of white blood cell essential to the adaptive immune system, responsible for producing antibodies that help neutralize pathogens. Originating and maturing in the bone marrow, B cells play a critical role in humoral immunity by recognizing specific antigens through their surface immunoglobulin receptors. Upon activation by an antigen and signals from helper T cells, they differentiate into plasma cells that secrete antibodies or memory B cells that provide long-term immunity. B cells also contribute to antigen presentation and cytokine secretion, bridging innate and adaptive immunity.

CD Markers

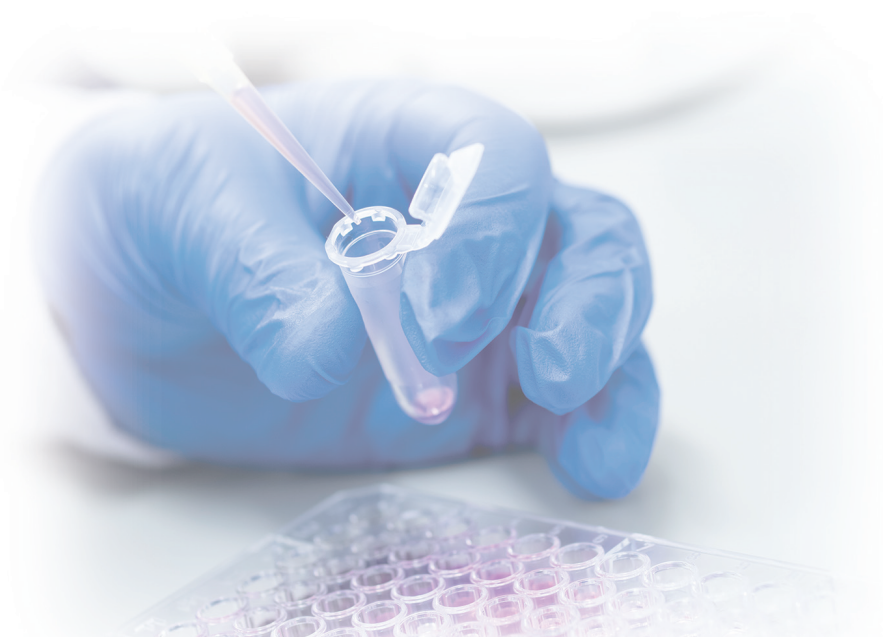
Antibodies targeting CD19, CD20, CD21, and other B cell markers.

PRODUCT NAME	PRODUCT TYPE	SPECIFICATIONS/CLONE	PRODUCT CODE
ELISA Kits			
Soluble Cluster of differentiation 30 ligand (sCD30L) ELISA Kit	ELISA Kit	Mouse	CSB-E04715m
Monoclonal Antibodies (mAb)			
Anti CD5	mAb	Clone CL12334	ATL-AMAb91782
Anti CD5	mAb	Clone CL12420	ATL-AMAb91783
Anti CD19	mAb	Clone CL15454	ATL-AMAb92042
Anti CD19	mAb	Clone CL15459	ATL-AMAb92044
Anti CD19	mAb	Clone 3D3	CSB-RA004888A0HU
Anti CD19	mAb	Clone 4C7	CSB-RA780821A0HU
Anti CD20	mAb	Clone 2C6	CSB-RA015007A0HU
Anti CD22	mAb	Clone 3D8	CSB-RA962691A0HU
Anti CD45	mAb	Clone 3B10	CSB-RA019049A0HU
Anti-CD358 (DR6) (Human)	mAb	Clone 3E2E4	MBL-W072-3
Polyclonal Antibodies (pAb)			
Anti CD5	pAb		ATL-HPA043416
Anti CD5	pAb		ATL-HPA060839
Anti-CD22	pAb		ATL-HPA066523
Anti CD22	pAb		ATL-HPA024353
Anti CD24	pAb		ATL-HPA045879

Immunoglobulins

Purified antibodies and ELISA kits for different isotypes (IgG, IgM, IgA).

PRODUCT NAME	PRODUCT TYPE	SPECIFICATIONS/CLONE	PRODUCT CODE
ELISA Kits			
IgM ELISA Core Kit pink-ONE	ELISA Kit	Human	KBT-K0231069P
IgG ELISA Core Kit pink-ONE	ELISA Kit	Human	KBT-K0231067P
IgA ELISA Core Kit pink-ONE	ELISA Kit	Human	KBT-K0231064P
Immunoglobulin A (IgA) ELISA Kit	ELISA Kit	Human	CSB-E07985h
IgE ELISA Core Kit pink-ONE	ELISA Kit	Human	KBT-K0231066P
Immunoglobulin E (IgE) ELISA Kit	ELISA Kit	Human	CSB-E04980h
Monoclonal Antibodies (mAb)			
Anti IgM	mAb	Clone IgM-49	IIM-2AHIGM1
Anti IgM	mAb	Clone M3	LNM-KR-061
Anti IgG	mAb	Clone IgG-19	IIM-2AHIGG2
Anti IgG	mAb	Clone IgG-B-22	IIM-2AHIGG1
Anti IgA	mAb	Clone IgA-13	IIM-2AHIGAW
Anti IgE	mAb	Clone IgE-4	IIM-2AHIGE1

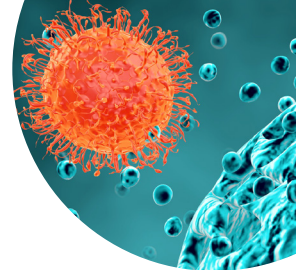


B Cell Activation

Reagents to study B cell receptor (BCR) signaling and activation pathways.

PRODUCT NAME	PRODUCT TYPE	SPECIFICATIONS/CLONE	PRODUCT CODE
ELISA Kits			
Phosphatidylinositol 3 kinase (PI3K) ELISA Kit	ELISA Kit	Human	CSB-E08417h
Phosphatidylinositol 3 kinase (PI3K) ELISA Kit	ELISA Kit	Mouse	CSB-E08419m
Soluble CD80 (sCD80)	ELISA Kit	Human	CSB-E15768h
Soluble CD86 (sCD86)	ELISA Kit	Human	CSB-E08542h
Monoclonal Antibodies (mAb)			
Anti BTK	mAb	Clone 3E5	CSB-RA553167A0HU
Anti CD27	mAb	Clone CL15464	ATL-AMAb92045
Anti CD38	mAb	Clone CL15572	ATL-AMAb92055
Anti CD40	mAb	Clone CL1673	ATL-AMAb90905
Anti CD80	mAb	Clone 3C3	CSB-RA246383A0HU
Anti CD86	mAb	Clone 1G8	CSB-RA004965A0HU
Polyclonal Antibodies (pAb)			
Anti BTK	pAb		ATL-HPA001198
Anti BTK	pAb		ATL-HPA002028
Anti SYK	pAb		ATL-HPA001384
Anti LYN	pAb		ATL-HPA001231
Anti BLNK	pAb		ATL-HPA038309
Anti PLCG2	pAb		ATL-HPA020099
Anti PLCG2	pAb		ATL-HPA020100
Anti CD27	pAb		ATL-HPA038936
Anti CD27	pAb		ATL-HPA069501
Anti CD38	pAb		ATL-HPA022132
Anti CD38	pAb		ATL-HPA052381
Anti CD40	pAb		ATL-HPA031567
Anti CD79A	pAb		ATL-HPA056444
Anti CD79B	pAb		ATL-HPA009178
Anti CD80	pAb		ATL-HPA050092
Anti CD86	pAb		ATL-HPA026802

OTHER IMMUNOLOGY PRODUCTS



Apoptosis and Cell Death

Assays and reagents to study programmed cell death in immune cells.

PRODUCT NAME	PRODUCT TYPE	PRODUCT CODE
Kits		
MEBCYTO Apoptosis Kit (Annexin V-FITC Kit)	Kit	MBL-4700
MEBSTAIN Apoptosis TUNEL Kit Direct	Kit	MBL-8445
MEBSTAIN Apoptosis TUNEL Kit III	Kit	MBL-8442
APOPCYTO Caspase-8 Colorimetric Assay Kit	Kit	MBL-4805
APOPCYTO Caspase-9 Colorimetric Assay Kit	Kit	MBL-4810
Total Nitric Oxide Assay Kit	Kit	BQC-KB03046
SOD Activity Assay Kit	Kit	BQC-KB03011
Autophagy Watch	Kit	MBL-8486
Reagents		
Annexin V-FITC	Reagent	MBL-4700-100
Annexin V-Biotin	Reagent	MBL-4695-100
Annexin V-PE	Reagent	MBL-4696-100
5x Annexin V Binding Buffer	Reagent	MBL-4695-300
Caspase inhibitor Z-VAD-FMK	Reagent	MBL-4800-520
Caspase-3 inhibitor Z-DEVD-FMK	Reagent	MBL-4800-510
Caspase-9 inhibitor Z-LEHD-FMK	Reagent	MBL-4810-510
Caspase-8 inhibitor Z-IETD-FMK	Reagent	MBL-4805-510

Kinase Assays

Kits for activity detection of common kinases.

PRODUCT NAME	PRODUCT TYPE	PRODUCT CODE
Kits		
CycLex® AKT/PKB Kinase Assay/Inhibitor Screening Kit	Kit	MBL-CY-1168
CycLex® AMPK Kinase Assay Kit	Kit	MBL-CY-1182
CycLex® CaM-kinase II assay kit	Kit	MBL-CY-1173
CycLex® CK2(Casein kinase II) Kinase Assay/Inhibitor Screening Kit	Kit	MBL-CY-1170
CycLex® c-Src Kinase Assay/Inhibitor Screening Kit	Kit	MBL-CY-1083
CycLex® Cyclic GMP dependent protein kinase (cGK) Assay Kit	Kit	MBL-CY-1161
CycLex® Met Kinase Assay/Inhibitor Screening Kit	Kit	MBL-CY-1080
CycLex® Polo-like kinase 1 Assay/Inhibitor Screening Kit	Kit	MBL-CY-1163
CycLex® Rho-kinase Assay Kit	Kit	MBL-CY-1160



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