



Recombinant Mouse Integrin alpha-X (Itgax), partial

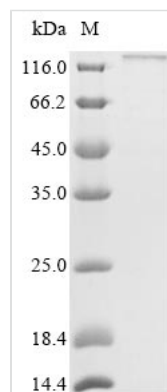
Product Code	CSB-BP874106MO1
Relevance	Integrin alpha-X/beta-2 is a receptor for fibrinogen. It recognizes the sequence G-P-R in fibrinogen. It mediates cell-cell interaction during inflammatory responses. It is especially important in monocyte adhesion and chemotaxis
Abbreviation	Recombinant Mouse Itgax protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9QXH4
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	<p>FNLD AEKLTHFHMDGAEFGH SVLQYDSSWVVVGAPKEIKATNQIGGLYKCGY HTGNCEPISLQVPPEAVNISLGLSLAAATNPSWLLACGPTVHHTCRENIYLTGL CFLSSSSFKQSQNFP TAQQECPKQDQDIVFLIDGSGSISSTDFEKM LDFVKAV MSQLQRPSTRFSLMQFSDYFRVHFTFNNFISTSSPLSLLG SVRQLRGYTYTAS AIKHVITELFTTQSGARQDATKVLIVITDGRKQGDNLSYDSVIPMAEAASIIRYAI GVGKAFYNEHSKQELKAIASMP SHEYVFSVENFDALKDIENQLKEKIFAIEGTET PSSSTFELEMSQEGFS AVFTPDGPVLGAVGSFSWSGG AFLYPSNMRPTFINM SQENEDMRDAYLGYSTALAFWKGVHSLILGAPRHQHTGKVVIFTQESRHW RP KSEVRGTQIGSYFGASLCSVDM DRDGDSTDLVLIGVPHYEHTRGGQVSVCPM PGVGSRWHCGTTLHGEQGH PWGRFGAALT VLGDVNGDSLADVAIGAPGEEE NRGAVYIFHGASRQDIAPSPSQRISASQIP SRIQYFGQSLSGGQDLTRDGLVDL AVGSKGRVLLL RTRPILRVSP TVHFTPAEISRSVFECQE QVAPEQTLSDATVCL HIHESPKTQLGDLRSTVTFDLALDHGRLSTRAIFKETKTRALTRVKTLGLNKH C ESVKLLLPACVEDSVTPITLRLNFSLVGVPISSLQNLQPM LAVDDQTYFTASLPF EKNCGADHICQDDLSVVF GFDLKTLLVVGSDLELNVDVTVSNDGEDSYGTTVT LFYPPVGLSFRRVAEGQVFLRK KEDQQWQRRGQHS LHLMDSTPDRSQGLW STSCSSRHVIFRGGSQMTFLVTFDVSPKAE LGDRLLLRARVGSENNVPGTPKT TFQLELPVKYAVYTMIS SHDQFTKYLNFSTSEKEKTSVVEHRFQVNNLGQRDV PVSINFVWPIELKGEAVWTVMVSH PQNPLTQC YRNRLKPTQFDLLTHMQKSP VLDCSIADCLHLRCDIPSLGILDELYFILKGNLSFGWISQTLQKKVLLLSEAEITFN TSVYSQLPGQEAFLRAQTKTVLEMYKVHNPVP</p>
Research Area	Immunology
Source	Baculovirus
Target Names	Itgax
Protein Names	CD11 antigen-like family member C Leukocyte adhesion glycoprotein p150,95



alpha chain Leukocyte adhesion receptor p150,95 CD_antigen: CD11c

Expression Region	20-1116aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal MBP-tagged and C-terminal 6xHis-tagged
Mol. Weight	165.4 kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Insertion of the gene encoding the Mouse Itgax protein (20-1116aa) into a plasmid vector results in the formation of recombinant plasmid, which is then introduced into baculovirus cells. Positive baculovirus cells are selected relying on their ability to survive in the presence of a specific antibiotic. The baculovirus cells containing the recombinant plasmid are cultured under conditions conducive to the expression of the gene of interest. A N-terminal MBP tag and C-terminal 6xHis tag is attached to the protein. Following expression, the recombinant Mouse Itgax protein is isolated and purified from the cell lysate through affinity purification. The resultant recombinant Mouse Itgax protein is analyzed using denaturing SDS-PAGE, revealing a purity greater than 85%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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