



POLYCLONAL ANTIBODY

For research use only. Not for diagnostic use.

Catalog No. 02108-96

Anti- Sugar chain (Clone : HGM44) [Fuca1-2Galβ1-3(Fuca1-4)GlcNAcβ1-R]

BACKGROUND

HGM44 is a mouse monoclonal antibody raised against the mucins purified from normal human gastric mucosa, and recognizes mucin-type carbohydrate antigens containing a blood group Lewis b sequence. The HGM44 antigens are mainly expressed on normal gastric surface mucous cells in the gastrointestinal tract of human. In addition, related antigens have been reported to found in the colon and the surface of erythrocytes. This antibody is a useful tool for elucidating the biological role of the specific sugar chain.

Product type	Primary antibody
Immunogen	Human Gastric mucin
Host Species	Mouse
Fusion Partner	Sp2/0
Clone Designation	HGM44
Isotype	IgG ₁ , κ
Source	Hybridoma cell culture
Purification	Affinity chromatography (Protein G)
Form	Liquid
Formulation Buffer	PBS with 0.05% NaN ₃
Concentration	100 µg / mL
Volume	50 µL
Label	Unlabeled
Specificity	Glycoproteins that contain sugar chains including a blood group Lewis b sequence Epitope : Sugar chain motif; Fuca1-2Galβ1-3(Fuca1-4)GlcNAcβ1-R
Cross species reactivity	-
Storage Conditions	Store at 4°C for short-term storage and -20°C or lower for long-term storage Avoid freeze / thaw cycles.

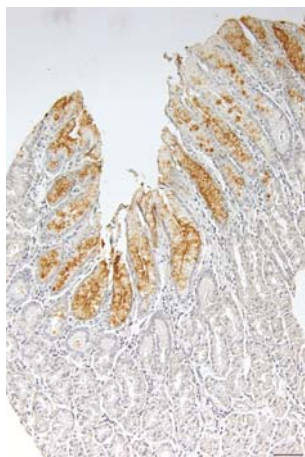
Application notes	• ELISA : 1/10 – 1/1000
Recommended dilutions	• Immunohistochemistry : 1/100 - 1/1000 (formalin-fixation, paraffin-embedded)

Other applications have not been tested.

Optimal dilutions/concentrations should be determined by the end user.

References	1) R Kannagi, <i>et. al.</i> , (1985) <i>J Biol Chem.</i> 260(10). 6410-6415. PMID: 3997830 2) J Sakamoto, <i>et. al.</i> , (1986) <i>Cancer Res.</i> 46(3). 1553-1561. PMID: 3510728 3) R Rad, <i>et. al.</i> , (2002) <i>J Immunol.</i> 168(6). 3033-3041. PMID: 11884476
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ANTIBODY CHARACTERIZATION



Human Gastric antrum

Fig.1 Immunohistochemistry

RELATED PRODUCTS:

Product Name	Clone	Maker	Cat#
Anti Mucin mAb M-GGMC-1 (Lyophilized powder of culture supernatant)	HIK1083	KAN	25503-96
Anti Sugar chain [GlcNAc α 1-R] mAb (DEAE-Sepharose purified)	HIK1083	KAN	02101-96
Anti Sugar chain [Fuc α 1-2Gal β 1-3GlcNAc β 1-R] mAb	RGM21	KAN	02102-96
Anti Sugar chain [GalNAc α 1-3Gal β 1-R] mAb	RGM22	KAN	02103-96
Anti Sugar chain [GalNAc α 1-3(Fuc α 1-2)Gal β 1-R] mAb	RGM26	KAN	02104-96
Anti Sugar chain [Fuc α 1-2Gal β 1-R] mAb	RGM31	KAN	02105-96
Anti Sugar chain [GalNAc α 1-R] mAb	RGM42	KAN	02106-96
Anti Sugar chain [Fuc α 1-2Gal β 1-4(HSO ³ -6)GlcNAc β 1-R] mAb	PGM34	KAN	02107-96
Anti Sugar chain [Fuc α 1-2Gal β 1-3(Fuc α 1-4)GlcNAc β 1-R] mAb	HGM44	KAN	02108-96
Anti Sugar chain [GalNAc α 1-3(Fuc α 1-2)Gal β 1-3(Fuc α 1-4)GlcNAc β 1-R] mAb	HGM75	KAN	02109-96
Anti Sugar chain [GlcNAc α 1-4Gal β 1-4GlcNAc β 1-R] mAb	HGM504	KAN	02110-96
Anti Sugar chain [Fuc α 1-2Gal β 1-4(Fuc α 1-3)GlcNAc β 1-R] mAb	HGM505	KAN	02111-96
Anti Sugar chain [GlcNAc α 1-4Gal β 1-R] mAb	HGM507	KAN	02112-96

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