



POLYCLONAL ANTIBODY

For research use only. Not for diagnostic use.

Catalog No. 02106-96

Anti- Sugar chain (Clone : RGM42) [GalNAc α 1-R]

BACKGROUND

RGM42 is a mouse monoclonal antibody raised against the mucins purified from normal rat gastric mucosa, and recognizes mucin-type carbohydrate antigens containing a peripheral alpha-linked *N*-acetylgalactosamine residue. The RGM42 antigens are expressed on normal gastric mucosal cells (mucosal neck cells and pyloric gland cells) in the gastrointestinal tract of mammalian. This antibody is a useful tool for elucidating the biological role of the specific sugar chain.

Product type	Primary antibody
Immunogen	Rat Gastric mucin
Host Species	Mouse
Fusion Partner	Sp2/0
Clone Designation	RGM42
Isotype	IgM, κ
Source	Hybridoma cell culture
Purification	DEAE-Sepharose chromatography
Form	Liquid
Formulation Buffer	PBS with 0.05% NaN ₃
Concentration	100 μ g / mL
Volume	50 μ L
Label	Unlabeled
Specificity	Glycoproteins that contain sugar chains including a peripheral α -linked GalNAc residue Epitope : Sugar chain motif; GlcNAc α 1-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) K. Ishihara, <i>et. al.</i> , (1996) <i>Glycoconj. J.</i> 13(5), 857-864. PMID: 8910013 2) T Chimuro, <i>et. al.</i> , (2006) <i>Seikagaku</i> .A12744(1P-A-019).
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ANTIBODY CHARACTERIZATION

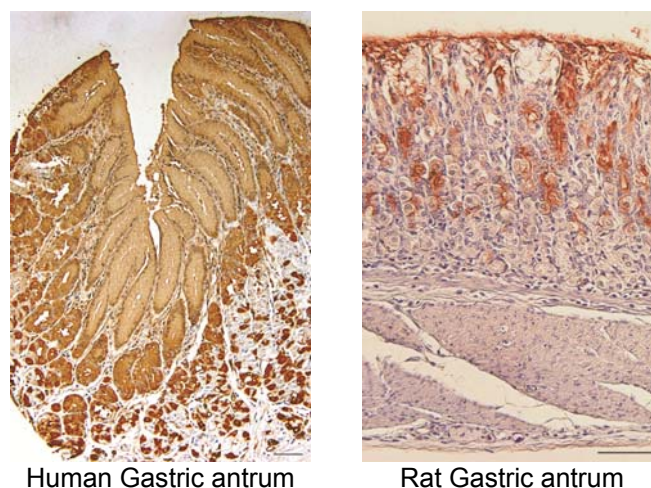


Fig.1 Immunohistochemistry

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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