



POLYCLONAL ANTIBODY

For research use only. Not for diagnostic use.

Catalog No. 02107-96

Anti- Sugar chain (Clone : PGM34) [Fuc α 1-2Gal β 1-4(HSO₃-6)GlcNAc β 1-R]

BACKGROUND

PGM34 is a mouse monoclonal antibody raised against the mucins purified from normal pig gastric mucosa, and recognizes mucin-type carbohydrate antigens containing a 6-sulfated blood group H (type 2 chain) sequence. The PGM34 antigens are mainly expressed on normal gastric surface mucous cells and small intestinal goblet cells in the gastrointestinal tract of rat. This antibody is a useful tool for elucidating the biological role of the specific sugar chain.

Product type	Primary antibody
Immunogen	Pig Gastric mucin
Host Species	Mouse
Fusion Partner	Sp2/0
Clone Designation	PGM34
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 sulfated blood group H sequence Epitope : Sugar chain motif; Fuc α 1-2Gal β 1-4(HSO ₃ -6)GlcNAc β 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.

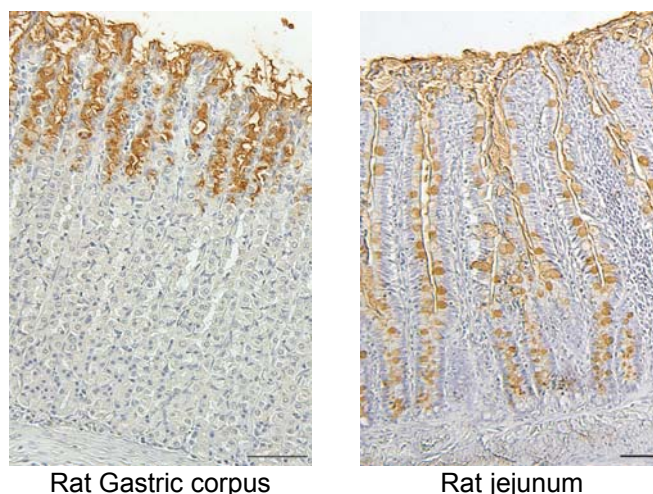
Application notes	• ELISA : 1/10 – 1/1000
Recommended dilutions	• Immunohistochemistry : 1/100 - 1/1000 (formalin-fixation, paraffin-embedded)

Other applications have not been tested.

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

References	1) D Tsubokawa, <i>et. al.</i> , (2007) <i>FEBS J.</i> 274(7). 1833-1848. PMID: 17381513 2) Y Saegusa <i>et. al.</i> , (2008) <i>Scand J Gastroenterol.</i> 43(1). 59-65. PMID: 18938749 3) Y Saegusa, <i>et. al.</i> , (2008) <i>Scand J Gastroenterol.</i> 43(5). 531-537. PMID: 18415744 4) T Iwai, <i>et. al.</i> , (2009) <i>J Gastroenterol.</i> 44(4). 277-284. PMID: 19280111 5) D Tsubokawa, <i>et. al.</i> , (2009) <i>Exp Parasitol.</i> 123(4). 319-325. PMID: 19703448
-------------------	--

ANTIBODY CHARACTERIZATION



Rat Gastric corpus

Rat jejunum

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

For research use only, Not for diagnostic use.

Manufactured by 関東化学株式会社



COSMO BIO Co., LTD.

Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp>

e-mail: export@cosmobio.co.jp

[Outside Japan] Phone : +81-3-5632-9617

[国内連絡先] Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619