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FUT7 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant FUT7.
Catalog # AT2125a

Product Information

Application	E
Primary Accession	Q11130
Other Accession	NM_004479
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1A12
Calculated MW	39239

Additional Information

Gene ID	2529
Other Names	Alpha-(1, 3)-fucosyltransferase 7, 241-, Fucosyltransferase 7, Fucosyltransferase VII, Fuc-TVII, FucT-VII, Galactoside 3-L-fucosyltransferase, Selectin ligand synthase, FUT7
Target/Specificity	FUT7 (NP_004470, 262 a.a. ~ 342 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FUT7 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

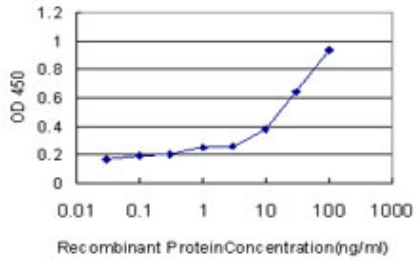
The protein encoded by this gene is a Golgi stack membrane protein that is involved in the creation of sialyl-Lewis X antigens. The encoded protein can direct the synthesis of the E-selectin-binding sialyl-Lewis X moiety.

References

Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2010 Apr. PMID 20198315.Assessment of a polymorphism of SDK1 with hypertension in Japanese

Individuals. Oguri M, et al. Am J Hypertens, 2010 Jan. PMID 19851296.alpha1,3 fucosyltransferase-VII up-regulates the mRNA of alpha5 integrin and its biological function. Wang QY, et al. J Cell Biochem, 2008 Aug 15. PMID 18452157.Overexpression of fucosyltransferase VII (FUT7) promotes embryo adhesion and implantation. Zhang Y, et al. Fertil Steril, 2009 Mar. PMID 18402946.Evaluation of urinary CA19-9 levels in bladder cancer patients classified according to the combinations of Lewis and Secretor blood group genotypes. Nagao K, et al. Int J Urol, 2007 Sep. PMID 17760744.

Images



Detection limit for recombinant GST tagged FUT7 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.