FUT4 monoclonal antibody, clone 28

Catalog # MAB5622 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native FUT4.
Immunogen	Native purified FUT4 from human monocytes, separated from other peripheral blood leucocytes on fi bronectin plates.
Host	Mouse
Reactivity	Human
Specificity	human CD15.
Form	Liquid
Isotype	IgM
Recommend Usage	Flow Cytometry (1 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.2
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry
- Immunoprecipitation

Gene Info — FUT4

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Entrez GeneID	2526
Gene Name	FUT4
Gene Alias	CD15, ELFT, FCT3A, FUC-TIV, FUTIV
Gene Description	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)
Omim ID	104230
Gene Ontology	Hyperlink
Gene Summary	The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). [provided by RefSeq
Other Designations	ELAM ligand fucosyltransferase|fucosyltransferase 4|fucosyltransferase IV|galactoside 3-L-fucosyltransferase

Publication Reference

- Expression of the CD15 differentiation antigen (3-fucosyl-N-acetyl-lactosamine, LeX) on putative neutrophil adhesion molecules CR3 and NCA-160.

  Stocks SC, Albrechtsen M, Kerr MA.

  The Biochemical Journal 1990 Jun; 268(2):275.

  Application: Flow Cyt, IP-WB, Human, Human neutrophils

- Monoclonal antibodies specific for human monocytes, granulocytes and endothelium.

  Hogg N, MacDonald S, Slusarenko M, Beverley PC.

  Immunology 1984 Dec; 53(4):753.

  Application: Func, IF, IHC, IP, Human, Human monocytes, platelets

Pathway

- Glycosphingolipid biosynthesis - lacto and neolacto series
- Metabolic pathways

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