

Datasheet

FUT4 monoclonal antibody, clone MEM-158 (FITC)

Catalog Number: MAB4532

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native FUT4.

Clone Name: MEM-158

Immunogen: Native purified FUT4 from human granulocytes.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with CD15, a cell membrane molecule 3-fucosyl-N-acetyllactosamine (3-FAL) strongly expressed on granulocytes, monocytes, macrophages, mast cells; it is also present on Langerhans cells and some myeloid precursors cells.

Form: Liquid

Conjugation: FITC

Isotype: IgM

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2526

Gene Symbol: FUT4

Gene Alias: CD15, ELFT, FCT3A, FUC-TIV, FUTIV

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]

References:

1. Normal cellular prion protein is a ligand of selectins: binding requires Le(X) but is inhibited by sLe(X). Li C, Wong P, Pan T, Xiao F, Yin S, Chang B, Kang SC, Ironside J, Sy MS. *Biochem J.* 2007 Sep 1;406(2):333-41.
2. Differential expression of sialyl and non-sialyl-CD15 antigens on Hodgkin-Reed-Sternberg cells: significance in Hodgkin's disease. Benharroch D, Dima E, Levy A, Ohana-Malka O, Ariad S, Prinsloo I, Mejirovsky E, Sacks M, Gopas J. *Leuk Lymphoma.* 2000 Sep;39(1-2):185-94.
3. Le(X) and related structures as adhesion molecules. Hakomori S. *Histochem J.* 1992 Nov;24(11):771-6.