

## Datasheet

### FUT4 monoclonal antibody, clone MEM-158 (PE)

**Catalog Number:** MAB4533

**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:** PE

**Isotype:** IgM

**Recommend Usage:** Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10<sup>6</sup> 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.