

## Datasheet

### CD58 monoclonal antibody, clone MEM-63 (FITC)

**Catalog Number:** MAB5006

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native CD58.

**Clone Name:** MEM-63

**Immunogen:** Native purified CD58 from NALM-6 human pre-B cell line.

**Host:** Mouse

**Theoretical MW (kDa):** 40-70

**Reactivity:** Human, Pig

**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 CD58 (LFA-3), a 40-70 KDa glycoprotein distributed over many tissues, leukocytes, erythrocytes, endothelial cells, epithelial cells and fibroblasts.

**Form:** Liquid

**Conjugation:** FITC

**Isotype:** IgG1

**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:** 965

**Gene Symbol:** CD58

**Gene Alias:** LFA-3, LFA3

**Gene Summary:** This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a ligand of the T lymphocyte CD2 protein, and functions in adhesion and activation of T lymphocytes. The protein is localized to the plasma membrane. Alternatively spliced transcript variants have been described. [provided by RefSeq]

#### References:

1. Investigation on correlation between expression of CD58 molecule and severity of hepatitis B. Sheng L, Li J, Qi BT, Ji YQ, Meng ZJ, Xie M. World J Gastroenterol. 2006 Jul 14;12(26):4237-40.
2. Distinct membrane localization and kinase association of the two isoforms of CD58. Ariel O, Kukulansky T, Raz N, Hollander N. Cell Signal. 2004 Jun;16(6):667-73.
3. Expression of CD58 in normal, regenerating and leukemic bone marrow B cells: implications for the detection of minimal residual disease in acute lymphocytic leukemia. Veltroni M, De Zen L, Sanzari MC, Maglia O, Dworzak MN, Ratei R, Biondi A, Basso G, Gaipa G. Haematologica. 2003 Nov;88(11):1245-52.