

CD58 monoclonal antibody, clone MEM-63 (PE)

Catalog # MAB5007

Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native CD58.
Immunogen	Native purified CD58 from NALM-6 human pre-B cell line.
Host	Mouse
Theoretical MW (kDa)	40-70
Reactivity	Human, Pig
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	PE
Isotype	IgG1
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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — CD58

Entrez GeneID	965
Gene Name	CD58
Gene Alias	LFA-3, LFA3
Gene Description	CD58 molecule
Omim ID	153420
Gene Ontology	Hyperlink
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 p rotein is localized to the plasma membrane. Alternatively spliced transcript variants have been de scribed. [provided by RefSeq]
Other Designations	CD58 antigen, (lymphocyte function-associated antigen 3) OTTHUMP00000024363

Publication Reference

- [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 Journal of Gastroenterology 2006 Jul; 12(26):4237.
Application: Flow Cyt, Human, PBMCs of patients with HBV infection
- [Distinct membrane localization and kinase association of the two isoforms of CD58.](#)
Ariel O, Kukulansky T, Raz N, Hollander N.
Cellular Signalling 2004 Jun; 16(6):667.
- [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.
Application: Flow Cyt, Human, Leukemic bone marrow

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Multiple Sclerosis](#)