

anti-human/ -porcine CD58 (no azide)

monoclonal antibody MEM-63

Cat-No: **21270580**

100 µg in 100 µl

Clone: MEM-63

Specificity: The antibody MEM-63 reacts with CD58 (LFA-3), a 40-70 kDa glycoprotein distributed over many tissues, leukocytes, erythrocytes, endothelial cells, epithelial cells and fibroblasts.

HLDA VI; WS Code AS A047

Specificity Reactivity: Human, Porcine

Isotype subclass: Mouse IgG1

Immunogen: NALM-6 human pre-B cell line

Form: Purified from ascitic by protein-A affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: PBS, pH 7.4 / azide free.

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Aliquot and store at -20°C. Avoid freeze/thaw cycles. Should be handled under aseptic conditions.

Application: Flow Cytometry

Immunoprecipitation

Western Blotting

non reducing conditions

Immunohistochemistry(frozen selection)

Functional Application

The antibody inhibits CD2/CD58 interactions.

References: *Bayas MV and other: Biophys J. 2003 Apr;84(4):2223-33.

*Veltroni M and other: 2003 Nov;88(11):1245-52.

*Ariel O and other: 2004 Jun;16(6):667-73.

*Sheng L and other: 2006 Jul 14;12(26):4237-40.

Background: CD58 (LFA-3) is an immunoglobulin family adhesion molecule expressed by both hematopoietic and non-hematopoietic cells (often on antigen presenting cells) and serving as ligand of CD2. This interaction is important for T cell-mediated immunity. CD58 is expressed in transmembrane form and in GPI-anchored form; the later is constitutively associated with protein kinases whereas the transmembrane form activates kinase activity upon triggering. CD58 is a powerful tool for detection of minimal residual disease in acute lymphocytic leukemia, and for evaluation of liver damage related with hepatitis B.

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