

## 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

**Form:** Purified by protein-A affinity chromatography.

**Purity:** > 95% (by SDS-PAGE)

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS sterile, pH 7.2.

**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:** functional application

### 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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Gladiolenweg 2; 26169 Friesoythe; Germany  
phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com  
www.immunotools.com