

## Purified anti-human CD63

**Catalog # / Size:** 312001 / 25 µg  
312002 / 100 µg

**Clone:** MEM-259

**Isotype:** Mouse IgG1, κ

**Immunogen:** T cell line HPB-ALL

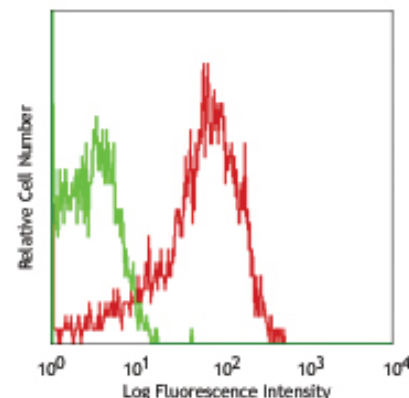
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



*Thrombin-activated human peripheral blood platelets stained with purified MEM-259, followed by anti-mouse IgG FITC*

## Applications:

**Applications:** FC - *Quality tested*  
IP, WB - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 µg per 10<sup>6</sup> cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunoprecipitation, and Western blotting (non-reducing).

**Application References:**

1. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. London.
2. Wang X, *et al.* 2006. *Infect. Immun.* 74:1873. (FC)
3. Yoon SO, *et al.* 2010. *Am. J. Pathol.* 177:377. PubMed
4. Schmidt H, *et al.* 2009. *BMC Immunol.* 10:41. (WB)

**Description:** CD63 is a 53 kD type III lysosomal glycoprotein also known as LIMP, LAMP-3, gp55, and melanoma-associated antigen (ME491). CD63 is a member of the tetraspan transmembrane superfamily (TM4SF) protein expressed on activated platelets, monocytes/macrophages, endothelium, fibroblasts, osteoclasts and smooth muscle cells. CD63 may be involved in platelet activation and is thought to function as a transmembrane adaptor protein. CD63 has been shown to associate with CD9, CD81, VLA-3, and VLA-6.

**Antigen References:**

1. Azorsa DO, *et al.* 1991. *Blood* 78:280.
2. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Oxford University Press. New York.
3. Hildreth JEK, *et al.* 1991. *Blood* 77:121.

### Related Products:

Product	Clone	Application
Purified anti-human CD62P (P-Selectin)	AK4	FC, IHC
Purified Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC, ICC, IF, IHC, IP, WB
APC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
FITC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
PE Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC



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