

Product Data Sheet

Purified anti-human CD87

Catalog # / Size: 336902 / 100 µg

Clone: VIM5

Isotype: Mouse IgG1, κ

Workshop Number: VI MR13

Immunogen: THP-1 (human myeloid cell line)

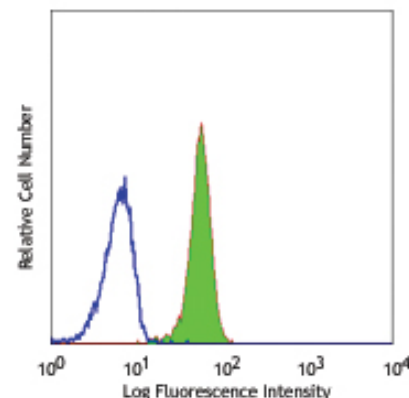
Reactivity: Human

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.



Human peripheral blood granulocytes stained with purified VIM5, followed by anti-mouse IgG FITC

Applications:

Applications: FC - Quality tested

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 10^6 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 include: VIM5 mAb binds to uPA binding-domain

Application References:

- Schlossmant SF, *et al.* eds. 1995 *Leukocyte Type V*. Oxford University Press Inc, New York
- Gadd SJ, *et al.* 1990. *Clin. Exp. Immunol* 80:252
- Sillaber C, *et al.* 1997. *J. Biol. Chem.* 272:7824

Description: CD87, known as urokinase plasminogen activator-receptor (uPAR), is a 36-68 kD single-chain glycoposphotidylinositol (GPI)-anchored glycoprotein. The extracellular region of CD87 consists of three homologous domains, D1, D2, and D3. Membrane-bound and soluble (D2D3) forms of uPAR have been reported. The membrane-bound CD87 is expressed on granulocytes, monocytes/macrophages, dendritic cells, fibroblasts, endothelial cells and keratinocytes. CD87 plays a role in cell adhesion and chemotaxis through binding to β1, β2 and β3 integrins. CD87-bound uPA converts plasminogen to plasmin.

Antigen References:

- Beaufort N, *et al.* 2004. *J. Immunol.* 172:540
- Tarui T, *et al.* 2001. *J. Bio. Chem.* 276:3983
- Zola H, *et al.* 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers*. A John Wiley & Sons Inc, Publication

Related Products:

Product
 Purified Mouse IgG1, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)

Clone
 MG1-45

Application
 FC, ICC, ICFC, IF, IHC, IP, WB
 FC, ICC, ICFC
 FC, ICFC



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