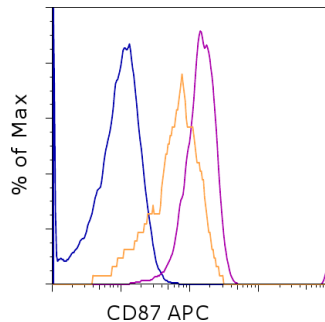


Anti-Human CD87 (UPAR) APC

Catalog Number: 17-3879

Also known as: Urokinase plasminogen activator receptor, UPA Receptor

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD87 (UPAR) APC. Cells in the lymphocyte (blue histogram), monocyte (orange histogram), or granulocyte (pink histogram) gate were used for analysis.

Product Information



Contents: Anti-Human CD87 (UPAR) APC

Catalog Number: 17-3879

Clone: VIM5

Concentration: 5 μ L (0.5 μ g)/test

Host/Isotype: Mouse IgG1, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Description

This VIM5 monoclonal antibody reacts with human CD87, a GPI-linked receptor for urokinase plasminogen activator (uPA). By sequestering uPA, CD87 is involved in the conversion of plasminogen to plasmin on the leading edge of migrating cells, a process critical for chemotaxis. CD87 is expressed on the surface of monocytes, dendritic cells, and on activated T and NK cells. Interestingly, in granulocytes, CD87 expressed in the cytoplasm and on the cell surface. Non-hematopoietic cells such as endothelial cells, keratinocytes, and fibroblasts, also express this receptor. Finally, CD87 plays a role in cell adhesion and migration, angiogenesis, and tumor metastasis.

This monoclonal antibody has been reported to have neutralization activity.

Applications Reported

This VIM5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This VIM5 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Ge Y, Elghetany MT. Urokinase plasminogen activator receptor (CD87): something old, something new. Lab Hematol. 2003;9(2):67-71. Review.

Tarui T, Mazar AP, Cines DB, Takada Y. Urokinase-type plasminogen activator receptor (CD87) is a ligand for integrins and mediates cell-cell interaction. J Biol Chem. 2001 Feb 9;276(6):3983-90.

Lanza F, Castoldi GL, Castagnari B, Todd RF 3rd, Moretti S, Spisani S, Latorraca A, Focarile E, Roberti MG, Traniello S. Expression and functional role of urokinase-type plasminogen activator receptor in normal and acute leukaemic cells. Br J Haematol. 1998 Oct;103(1):110-23. (VIM5, FC, FA (neutralizing), Pubmed)

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Gadd SJ, Majdic O, Kasinrerck W, Stockinger H, Maurer D, Eher R, Knapp W. M5, a phosphoinositol-linked human myelomonocytic activation-associated antigen. Clin Exp Immunol. 1990 May;80(2):252-6. (VIM-5, FC, Pubmed)

Related Products

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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