

Anti-Human CD62P (P-Selectin) PE

Catalog Number: 12-0628

Also Known As: LECAM-3

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

Product Information

Contents: Anti-Human CD62P (P-Selectin) PE

 **Catalog Number:** 12-0628

Clone: AK-4

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: VI P-44

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

 **Caution, contains Azide**

Description

The AK-4 monoclonal antibody reacts with human CD62P, a 140 kDa transmembrane glycoprotein also known as P-Selectin. Upon activation, CD62P is rapidly transported from its cytoplasmic stores in the Weibel-Palade bodies of endothelial cells or the alpha-granules of platelets to the surface. CD62P initiates the adhesive interaction between endothelial cells and neutrophils and monocytes during the inflammatory reaction and is also involved in the interaction of platelets with monocytes and neutrophils.

Applications Reported

The AK-4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This AK-4 antibody has been pre-titrated and tested by flow cytometric analysis of resting and thrombin-activated human platelets. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

Skinner MP, Lucas CM, Burns GF, Chesterman CN, Berndt MC. GMP-140 binding to neutrophils is inhibited by sulfated glycans. *J Biol Chem.* 1991 Mar 25;266(9):5371-4.

Kishimoto, T., A.E.G., von dem Borne, et al. eds. (1998). Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing Inc. London.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)

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