

Anti-Human CD61 (Integrin beta 3) FITC

Catalogue Number : 03711-50

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

Product Information

Clone: VI-PL2

Format/Conjugate: FITC

Concentration: 5 μ L (0.25 μ g)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

Isotype: mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, \leq 0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The VI-PL2 monoclonal antibody reacts with CD61, a type I integral transmembrane glycoprotein also known as integrin beta 3. CD61 forms a complex with CD41 (platelet gpIIb) and CD51 (integrin alphaV). It is expressed on osteoclasts, fibroblasts, platelets, macrophages, and megakaryocytes and appears to bind to fibronectin, vitronectin, thrombospondin, and fibrinogen and vWF. The VI-PL2 antibody is reported to be cross-reactive with baboon, rhesus, and cynomolgus.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 μ L per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 μ L.

References

1. Leucocyte Typing VI: White Cell Differentiation Antigens: Proceedings of the Sixth International Workshop and Conference Held in Kobe, Japan, 10-14 November 1996. Garland Pub., 1998.
2. Barrett, L., Dai, C., Gamberg, J., Gallant, M., ; Grant, M. (2007). Circulating CD14⁻; CD36⁺ peripheral blood mononuclear cells constitutively produce interleukin-10.; *Journal of leukocyte biology*; 82(1), 152-160.
3. Schlossman, S. F. (1995).; Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.