

Anti-Human CD51/CD61 (Integrin alpha v beta 3) SAFIRE Purified

Catalog Number :03611-25

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

Product Information

Clone: 23C6

Format/Conjugate: SAFIRE Purified

Concentration: 1 mg/mL

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC, FA

Description

The 23C6 monoclonal antibody specifically reacts with the human CD51/61 molecule, known as the integrin alpha v Beta 3 complex or vitronectin receptor. The complex binds to other ligands such as CD29, fibrinogen, fibrinectin, vWf, laminin, and thrombospondin. It is expressed by endothelial cells, osteoclasts, melanoma cells, and at low levels on platelets and macrophages. The 23C6 antibody is reported to be able to block the receptors ability to form interactions with some of its ligands.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

- 1.Horton, M. A., Lewis, D., McNulty, K., Pringle, J. A., Chambers, T. J. (1985). Monoclonal antibodies to osteoclastomas (giant cell bone tumors): definition of osteoclast-specific cellular antigens.;Cancer research.;45(11 Part 2), 5663-5669.
2. Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.
3. Chuntharapai, A., Bodary, S., Horton, M., Kim, K. J. (1993). Blocking monoclonal antibodies to αvβ3 integrin: A unique epitope of αvβ3 integrin is present on human osteoclasts.;Experimental cell research.;205(2), 345-352.