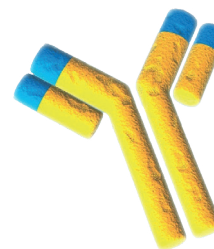


MONOCLONAL ANTIBODY



β_1 -INTEGRIN clone DF5 (IgG₁)

Background

Integrins are the largest known family of receptors for ECM proteins. They are glycoproteins that mediate cell-extracellular matrix as well as cell-cell interactions. Integrins consist of several protein subfamilies that share a common β -subunit and have a distinct α -subunit. Monoclonal antibodies to β_1 -integrin and β_3 -integrin as well as to α_{IIb} integrin are offered by Biohit.

The product is for research use only. The performance characteristics of this product have not been established. Use in human clinical diagnosis is the responsibility of the user. This product should be stored at +2 to +8 °C. Monoclonal antibody to β_1 -integrin is derived from the hybridoma produced by fusion between myeloma cells and Balb/c spleen cells. Wheat germ agglutinin binding glycoproteins of human fibroblasts were used as immunogen.

Cat. No. 610008	100 μ g immunoglobulin in 1 ml PBS solution containing 1.0% (w/v) BSA and 0.09% (w/v) sodium azide.
Cat. No. 610035	1 mg immunoglobulin in 10 ml PBS solution containing 1.0% (w/v) BSA and 0.09% (w/v) sodium azide.

Specificity

The antibody reacts with the β_1 subunit of the integrin protein family and seems to be human specific. The antibody reacts with an extracellular epitope of the β_1 -integrin molecule.

Application

Immunohistochemical stainings, western blotting and other immunoassays for cellular and tumor biology. Mab DF5 does react with paraffin sections.

Guidelines for dilutions

Working dilution in western blotting is at least 1:1000.

References

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