

CD51/CD61, Vitronectin Receptor alpha chain, VNR, clone 23C6 Monoclonal Antibody

Catalog No.: MON1167

Quantity: 0.2 ml

Specificity

23C6 was assigned to the CD51 cluster at the 4th International Workshop Vienna 1989. This antibody recognizes a 110/90 kDa antigen known as the α chain of the vitronectin receptor (VNR). 23C6 reacts with osteoclasts, placenta, melanoma cell lines, some epithelia cells, and reacts weakly with platelets. Note: 23C6 shows no reactivity on fixed tissues.

The Vitronectin receptor mediates cell adhesion to arg-gly-arp containing sequences in vitronectin, von Willebrand factor, fibrinogen, and thrombospondin. Used antigen: Human Osteoclastoma tissue. Crossreactive with rabbit vitronectin receptor.

Clinical relevance:

Bone resorption modulation; osteoclast identification, receptor purification; malignant melanoma identification.

Immunoglobulin type

murine IgG₁

Use

The antibody is very useful for flow cytometry at working dilutions of 1:40-80. For use on frozen sections a working dilution of 1:50-100 is advised. The antibody can be used for immunoprecipitation.

Instructions for use

Flow Cytometry: use 10 μ l to label 10⁶ cells. Incubate on ice for 30 minutes.

Recommended second antibodies. F (ab')₂ Rabbit anti Mouse IgG: FITC.

Concentration of the antibody is approximately 1.0 mg/ml.

Presentation

0.2 mg purified IgG in PBS at pH 7.4 with 0.1% sodium azide.

Literature

- Cancer Research 45, 5663-9 (1985).
- J. Cell Biol. 109, 257-265 (1989).
- Br. J. Exp. Pathology 70, 257-265 (1989).

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