

30-2554: Anti-Human CD51/CD61 Antibody (Clone : 23C6)

Clonality :	Monoclonal
Clone Name :	23C6
Application :	IP, IHC(F), FACS
Reactivity :	Human
Gene :	ITGAV/ITGB3
Gene ID :	3685/3690
Format :	Purified
Alternative Name :	VNRA, MSK8, ITGB3, ITGAV, Integrin alpha5beta3, OFA, VR
Isotype :	Mouse IgG1
Immunogen Information :	A cell suspension containing osteoclasts from osteoclastomas

Description

CD51/CD61 (integrin alpha5beta3), also known as osteoclast functional antigen, serves as a vitronectin receptor, and binds also to fibronectin, fibrinogen, thrombospondin, osteopontin, collagen, and von Willebrand factor. Expression of this antigen increases with melanoma progression. In healthy individuals CD51/CD61 is expressed mainly on osteoclasts, placenta, and endothelial cells, at lower levels on platelets and macrophages.

Specificity : The mouse monoclonal antibody 23C6 recognizes an extracellular epitope on CD51/CD61 complex, that is expressed mainly on human osteoclasts, but also e.g. on placenta, or melanoma cell lines. The epitope is native and sensitive to fixation. In chicken this antibody can be used to selectively identify the thrombocytes.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

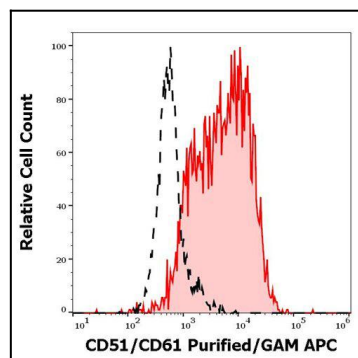


Figure 1 : Separation of MCF-7 cells stained using anti-CD51/CD61 (23c3) purified antibody (concentration in sample 1,7 µg/ml, GAM APC, red-filled) from MCF-7 cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).