

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	23C6
<b>Application :</b>	IP, IHC(F), FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	ITGAV/ITGB3
<b>Gene ID :</b>	3685/3690
<b>Format :</b>	Purified
<b>Alternative Name :</b>	VNRA, MSK8, ITGB3, ITGAV, Integrin alpha5beta3, OFA, VR
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

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

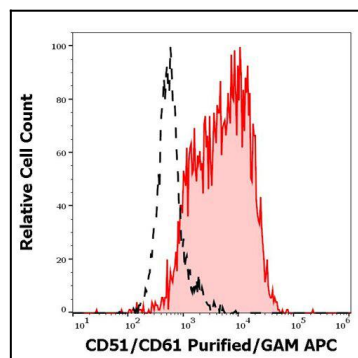


Figure 1 : Separation of MCF-7 cells stained using anti-CD51/CD61 (23c3) purified antibody (concentration in sample 1,7 µg/ml, GAM APC, red-filled) from MCF-7 cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).