

## Product datasheet

### anti-CD61 mouse monoclonal, EBS-CD-034, purified

#### Short overview

<b>Cat. No.</b>	691598
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgM kappa
<b>Clone</b>	EBS-CD-034
<b>Immunogen</b>	Stimulated human PBMCs
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P05106 (Human)
<b>Synonym</b>	Integrin beta-3, Platelet membrane glycoprotein IIIa, GPIIIa, CD antigen CD61, ITGB3, GP3A
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	FACS, ICC/IF, IHC
<b>Reactivity</b>	Human

#### Applications

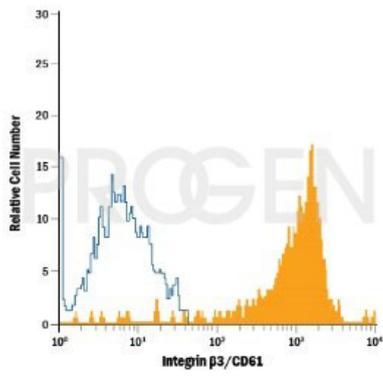
<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)

#### Background

EBS-CD-034 reacts with a complex of CD41 and CD61, i.e. alpha IIb integrin and the integrin beta chain. The MW of the GPIIIa is 105 kDa unreduced and 90 kDa reduced. The integrin beta 3 chain can also form a complex called the vitronectin receptor with integrin alpha V: the CD51/CD61 complex. Ligands are fibrinogen, fibronectin, von Willebrand factor, vitronectin and thrombospondin. Residues 237-248 of GPIIIa or CD61 are critical in adhesive protein binding. The CD51/CD61 complex is also found on endothelial cells, some B-cells, monocytes/macrophages and tumor cells.

Positive control: U937, KG1a, HEL cells, human platelets in lymph nodes or tonsils.

#### Product images



FACS with human peripheral blood lymphocytes (PBL)