

Mouse CD61r Monoclonal Antibody | anti-CD61r antibody

Anti-Hu CD61 PerCP-Cy5.5

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129176	Mouse	Human, Non-human primates	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD61r; Monoclonal Antibody; Anti-Hu CD61 PerCP-Cy5.5; integrin beta 3; ITGB3; GP3A; integrin subunit beta 3; anti-CD61r antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Non-human primates
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	VIPL2
Specificity	The mouse monoclonal antibody VIPL2 recognizes an extracellular epitope of CD61, a 90-110kDa transmembrane glycoprotein of integrin family, expressed on platelets, megacaryocytes, osteoclasts, endothelial cells and other cell types, including leucocytes and smooth muscle cells.
Purity/Purification	The purified antibody is conjugated with tandem dye PerCP-Cy5.5 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide
Applicable Applications for anti-CD61r antibody	FCM/FACS (Flow Cytometry)
Conjugation	PerCP-Cy5.5
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

ADDITIONAL INFORMATION

Related Product Information for anti-CD61r antibody	CD61 (beta3 integrin) is a transmembrane glycoprotein, which associates with CD41 or CD51 molecules to form heterodimeric adhesion receptors. CD41/CD61 complex is one of the earliest markers of the megakaryocytic lineage. It binds to fibronectin, fibrinogen and von Willebrand factor, and is involved in platelet aggregation. CD51/CD61 complex has similar binding properties and is involved in modulating migration and survival of angiogenic endothelial cells.
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References	*Roberts MS, Woods AJ, Dale TC, Van Der Sluijs P, Norman JC: Protein kinase B/Akt acts via glycogen synthase kinase 3 to regulate recycling of alpha v beta 3 and alpha 5 beta 1 integrins. Mol Cell Biol. 2004 Feb;24(4):1505-15., URL: http://www.ncbi.nlm.nih.gov/pubmed/14749368,*Barrett L, Dai C, Gamberg J, Gallant M, Grant M: Circulating CD14-CD36+ peripheral blood mononuclear cells constitutively produce interleukin-10. J Leukoc Biol. 2007 Jul;82(1):152-60., URL: http://www.ncbi.nlm.nih.gov/pubmed/17412916,*Ciarlet M, Crawford SE, Cheng E, Blutt SE, Rice DA, Bergelson JM, Estes MK: VLA-2 (alpha2beta1) integrin promotes rotavirus entry into cells but is not necessary for rotavirus attachment. J Virol. 2002 Feb;76(3):1109-23., URL: http://www.ncbi.nlm.nih.gov/pubmed/11773387,*Williams CA, Mondal D, Agrawal KC: The HIV-1 Tat protein enhances megakaryocytic commitment of K562 cells by facilitating CREB transcription factor coactivation by CBP. Exp Biol Med (Maywood). 2005 Dec;230(11):872-84., URL: https://www.ncbi.nlm.nih.gov/pubmed/16339753,*Mondal D, Williams CA, Ali M, Eilers M, Agrawal KC: The HIV-1 Tat protein selectively enhances CXCR4 and inhibits CCR5 expression in megakaryocytic K562 cells. Exp Biol Med (Maywood). 2005 Oct;230(9):631-44., URL: https://www.ncbi.nlm.nih.gov/pubmed/16179731,*Dzionic A, Fuchs A, Schmidt P, Cremer S, Zysk M, Miltenyi S, Buck DW, Schmitz J: BDCA-2, BDCA-3, and BDCA-4: three markers for distinct subsets of dendritic cells in human peripheral blood. J Immunol. 2000 Dec 1;165(11):6037-46., URL: https://www.ncbi.nlm.nih.gov/pubmed/11086035
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47078292
NCBI GeneID	3690
NCBI Accession #	NP_000203.2
NCBI GenBank Nucleotide #	NM_000212.2
UniProt Accession #	P05106; O15495; Q12806; Q13413; Q14648; Q16499; A0PJW2; D3DXJ8
Molecular Weight	87,058 Da
NCBI Official Full Name	integrin beta-3
NCBI Official Synonym Full Names	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
NCBI Official Symbol	ITGB3
NCBI Official Synonym Symbols	GT; CD61; GP3A; BDPLT2; GPIIIa; BDPLT16
NCBI Protein Information	integrin beta-3; platelet membrane glycoprotein IIIa
UniProt Protein Name	Integrin beta-3
UniProt Gene Name	ITGB3
UniProt Synonym Gene Names	GP3A; GPIIIa
UniProt Entry Name	ITB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.