Integrin beta 1 Conjugated Antibody

Catalog No: #C48603

Package Size: #C48603-AF350 100ul #C48603-AF405 100ul #C48603-AF488 100ul #C48603-AF555 100ul #C48603-AF594 100ul #C48603-AF647 100ul #C48603-AF680 100ul #C48603-AF750 100ul #C48603-Biotin 100ul

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Description

Product Name	Integrin beta 1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	beta1 integrin antibody CD29 antibody Fibronectin receptor subunit beta antibody FNRB antibody Glycoprotein IIa antibody GP IIa antibody GPIIA antibody Integrin beta-1 antibody integrin VLA-4 beta subunit antibody Integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) antibody ITB1_HUMAN antibody ITGB1 antibody MDF2 antibody MSK12 antibody OTTHUMP00000019420 antibody Very late activation protein, beta polypeptide antibody VLA BETA antibody VLA-4 subunit beta antibody VLA-BETA antibody VLAB antibody VLAbeta antibody
Accession No.	Swiss-Prot#:P05556
Uniprot	P05556
GeneID	3688;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	140 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Integrins are transmembrane receptors that mediate the attachment between a cell and its surroundings, such as other cells or the extracellular matrix (ECM). Integrins are obligate heterodimers containing two distinct chains, called the α (alpha) and β (beta) subunits. The molecular mass of the integrin subunits can vary from 90 kDa to 160 kDa. Beta subunits have four cysteine-rich repeated sequences. Both α and β subunits bind several divalent cations. Integrins have two main functions: Attachment of the cell to the ECM and signal transduction from the ECM to the cell. However, they are also involved in a wide range of other biological activities, including immune patrolling, cell migration, and binding to cells by certain viruses, such as adenovirus, echovirus, hantavirus, and foot and mouth disease viruses. Research studies have implicated β1 integrin in various activities including embryonic development, blood vessel, skin, bone, and muscle formation, as well as tumor metastasis and angiogenesis.

Note: This product is for in vitro research use only