

## Integrin beta 4 Conjugated Antibody

Catalog No: #C49465



Package Size: #C49465-AF350 100ul #C49465-AF405 100ul #C49465-AF488 100ul  
 #C49465-AF555 100ul #C49465-AF594 100ul #C49465-AF647 100ul  
 #C49465-AF680 100ul #C49465-AF750 100ul #C49465-Biotin 100ul

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## Description

Product Name	Integrin beta 4 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CD 104 antibody CD104 antibody CD104 antigen antibody gp150 antibody Integrin beta 4 subunit antibody Integrin beta-4 antibody ITB4_HUMAN antibody ITG B4 antibody ITGB 4 antibody Itgb4 antibody
Accession No.	Swiss-Prot#:P16144
Uniprot	P16144
GeneID	3691;
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	210 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

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Integrins are heterodimers composed of noncovalently associated transmembrane  $\alpha$  and  $\beta$  subunits. The 16  $\alpha$  and 8  $\beta$  subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind ligands that are components of the extracellular matrix, including Fibronectin, collagen and vitronectin. Certain integrins can also bind to soluble ligands, such as fibrinogen, or to counterreceptors on adjacent cells such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. Integrin  $\beta 4$  (ITGB4), also known as CD104, is a 1,822 amino acid single-pass type I membrane protein belonging to the Integrin  $\beta$  chain family. Known to associate with Integrin  $\alpha 6$ , Integrin  $\beta 4$  functions as a receptor for Laminin and is predominantly expressed by epithelia. Integrin  $\beta 4$  exists as five alternatively spliced isoforms that are encoded by a gene located on human chromosome 17q25.1.

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Note: This product is for in vitro research use only