

CD31/PECAM-1 Conjugated Antibody

Catalog No: #C48124



Package Size: #C48124-AF350 100ul #C48124-AF405 100ul #C48124-AF488 100ul  
#C48124-AF555 100ul #C48124-AF594 100ul #C48124-AF647 100ul  
#C48124-AF680 100ul #C48124-AF750 100ul #C48124-Biotin 100ul

Orders: order@signalwayantibody.com  
Support: tech@signalwayantibody.com

Description

Product Name	CD31/PECAM-1 Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu, Rt
Immunogen Description	Synthetic peptide (KLH-coupled) within C-terminal residues of human CD31.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Adhesion molecule antibody CD31 antibody CD31 antigen antibody CD31 EndoCAM antibody EndoCAM antibody FLJ34100 antibody FLJ58394 antibody GPIIA antibody GPIIA' antibody PECA1 antibody PECA1_HUMAN antibody Pecam 1 antibody PECAM 1 CD31 EndoCAM antibody PECAM antibody PECAM-1 antibody Pecam1 antibody Platelet and endothelial cell adhesion molecule 1 antibody Platelet endothelial cell adhesion molecule antibody Platelet/endothelial cell adhesion molecule 1 antibody
Accession No.	Swiss-Prot#:P16284
Uniprot	P16284
GeneID	5175;
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	82kDa(Observed: 130 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

Cell adhesion molecules are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. Neuronal cell adhesion molecule (NCAM) expression is observed in a variety of human tumors including neuroblastomas, rhabdomyosarcomas, Wilms' tumors, Ewing's sarcomas and some primitive myeloid malignancies. The intracellular adhesion molecule-1 (ICAM-1), also referred to as CD54, is an integral membrane protein of the immunoglobulin superfamily. PECAM-1 (platelet/endothelial cell adhesion molecule-1), also referred to as CD31, is a glycoprotein expressed on the cell surfaces of monocytes, neutrophils, platelets and a subpopulation of T cells. VCAM-1 (vascular cell adhesion molecule-1) was first identified as an adhesion molecule induced on human endothelial cells by inflammatory cytokines such as IL-1, tumor necrosis factor (TNF) and lipopolysaccharide (LPS). The KAL1 gene encodes a nerve cell adhesion molecule (NCAM)-like protein and is deleted in 66% of patients with Kallmann's syndrome, anosmia with secondary hypogonadism.

Note: This product is for in vitro research use only