

CD1a Conjugated Antibody

Catalog No: #C49610



Package Size: #C49610-AF350 100ul #C49610-AF405 100ul #C49610-AF488 100ul
 #C49610-AF555 100ul #C49610-AF594 100ul #C49610-AF647 100ul
 #C49610-AF680 100ul #C49610-AF750 100ul #C49610-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	CD1a Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CD 1a antibody CD1 antibody CD1a antibody CD1A Antigen antibody CD1A antigen, a polypeptide antibody CD1a molecule antibody CD1A_HUMAN antibody cluster of differentiation 1 A antibody cortical thymocyte antigen CD1A antibody differentiation antigen CD1 alpha 3 antibody epidermal dendritic cell marker CD1a antibody FCB 6 antibody FCB6 antibody HTA 1 antibody HTA1 antibody hTa1 thymocyte antigen antibody OTTHUMP00000018907 antibody R 4 antibody R4 antibody T 6 antibody T-cell surface antigen T6/Leu-6 antibody T-cell surface glycoprotein CD1a antibody T6 antibody
Accession No.	Swiss-Prot#:P06126
Uniprot	P06126
GeneID	909;
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	37 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

The CD1 multigene family encodes five forms of the CD1 T-cell surface glycoprotein in human, designated CD1A, 1B, 1C, 1D and 1E. CD1, a type 1 membrane protein, has structural similarity to the MHC class I antigen and has been shown to present lipid antigens for recognition by T lymphocytes. CD1 antigens are associated with β -2-Microglobulin and expressed on cortical thymocytes, Langerhans cells, a B cell subset and some dendritic cells. Specifically, CD1A is a marker for Langerhans cell histiocytosis (LCH) and is found on interdigitating cells. Adaptor-protein complexes and CD1-associated chaperones control CD1 trafficking, and the development and activation of CD1-restricted T cells. Constitutive endocytosis of CD1B molecules and the differential sorting of MHC class II from lysosomes separate peptide- and lipid antigen-presenting molecules during dendritic cell maturation. CD1B is also expressed in interdigitating cells. The human CD1 genes are all closely linked in a cluster mapping at chromosome 1q23.1.

Note: This product is for in vitro research use only