Anti-CD1 antibody

Description	CD1 is a protein encoded by the CD1A gene which is approximately 37 kDa. CD1 is localised to the cell membrane. It is involved in hematopoietic cell lineage, dendritic cells developmental lineage pathway and the innate immune system. This protein falls under the CD1 family of transmembrane glycoproteins which form heterodimers with beta-2-microglobulin. CD1 mediates the presentation of primarily lipid and glycolipid antigens to T-cells. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. CD1 is expressed in the blood, skin, heart and lymph nodes. Mutations in the CD1A gene may result in myofibroma. STJ96970 was developed from clone 9H6 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This primary antibody detects endogenous CD1 proteins.

Model	STJ96970
Host	Mouse
Reactivity	Human, Mouse, Rat
Applications	IHC
Immunogen	Synthetic Peptide
Gene ID	909
Gene Symbol	CD1A
Dilution range	IHC 1:200
Specificity	The antibody detects endogenous CD1 proteins.
Tissue Specificity	Expressed on cortical thymocytes, epidermal Langerhans cells, dendritic cells,

	on certain T-cell leukemias, and in various other tissues.
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clone ID	9H6
Note	For Research Use Only (RUO).
Protein Name	T-cell surface glycoprotein CD1a T-cell surface antigen T6/Leu-6 hTa1 thymocyte antigen CD antigen CD1a
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1634OMIM:188370
Alternative Names	T-cell surface glycoprotein CD1a T-cell surface antigen T6/Leu-6 hTa1 thymocyte antigen CD antigen CD1a
Function	Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.
Cellular Localization	Cell membrane Membrane raft Endosome membrane. Subject to intracellular trafficking between the cell membrane and endosomes . Localizes to cell surface lipid rafts .