

Anti-CD1a Reference Antibody (U.Oxford patent anti-CD1a)

Catalog # APR11414

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P06126
Reactivity	Human
Clonality	Monoclonal
Isotype	mIgG1-TW-DD
Calculated MW	37077

Additional Information

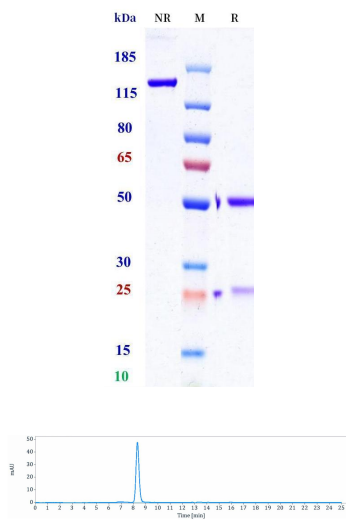
Target/Specificity	CD1a
Expression system	CHO

Protein Information

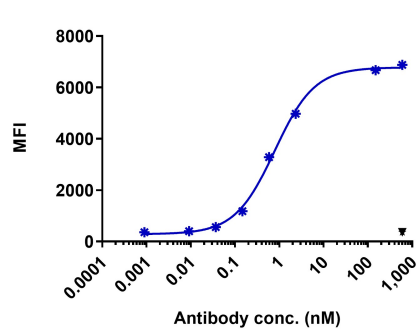
Name	CD1A
Function	Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Membrane raft; Single-pass type I membrane protein. Endosome membrane; Single- pass type I membrane protein. Note=Subject to intracellular trafficking between the cell membrane and endosomes (PubMed:11231314). Localizes to cell surface lipid rafts (PubMed:18178838).
Tissue Location	Expressed on cortical thymocytes, epidermal Langerhans cells, dendritic cells, on certain T-cell leukemias, and in various other tissues.

Images

Anti-CD1a Reference Antibody (U.Oxford patent anti-CD1a) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-CD1a Reference Antibody (U.Oxford patent anti-CD1a) is 97.26%, determined by SEC-HPLC.



PLVX-puro-CD1a-FL cell line were stained with U.Oxford patent anti-CD1a and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.786 nM.

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