

Purified Anti-Human CD1a Antibody[SK9]

catalog number: AN012720P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

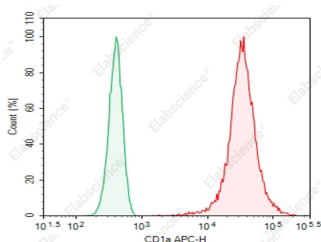
Reactivity	Human
Immunogen	Recombinant Human CD1a protein
Host	Mouse
Isotype	Mouse IgG2b, κ
Clone	SK9
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM $\leq 0.2 \mu\text{g}$ per million cells in 100 μL volume

Data



Molt-4 were stained with 0.2 μg Purified Anti-Human CD1a Antibody[SK9] (Right) and 0.2 μg Mouse IgG2b, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD1a is a 49 kDa transmembrane glycoprotein in the CD1 family of glycolipid antigen-presenting MHC-like molecules. CD1a contains one Ig-like domain in its extracellular region. It is expressed by most nonhuman mammals but not by mice or rats. Complexes of CD1a with beta 2-microglobulin and endogenous glycolipids are constitutively expressed on antigen presenting cells, cortical thymocytes, and Langerhans cells. CD1a is a target of autoreactive Th22 helper T cells in the skin.

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