

CD1A Protein, Human (HEK293, His)

Cat. No.:	HY-P77624
Synonyms:	CD1a; CD1A; CD1; FCB6; HTA1; R4; T6
Species:	Human
Source:	HEK293
Accession:	P06126 (D19-V300)
Gene ID:	909
Molecular Weight:	48-53 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The CD1A protein stands as a pivotal antigen-presenting molecule with the unique capacity to bind both self and non-self lipid and glycolipid antigens, facilitating their presentation to T-cell receptors on natural killer T-cells. Operating as a heterodimer with B2M (beta-2-microglobulin), this protein plays a central role in immune surveillance and regulation. Its interaction with CD74 further underscores its significance in the intricate machinery of the immune system, highlighting its role in orchestrating T-cell responses to diverse antigens.
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Caution: Product has not been fully validated for medical applications. For research use only.

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