

CD1D Protein, Mouse (HEK293, His)

Cat. No.:	HY-P75437
Synonyms:	Antigen-presenting glycoprotein CD1d; CD1D; R3G1
Species:	Mouse
Source:	HEK293
Accession:	P11609 (M1-G305)
Gene ID:	12479
Molecular Weight:	45-50 kDa

PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.2 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 CD1D protein serves as an antigen-presenting protein capable of binding both self and non-self glycolipids, presenting them to T-cell receptors on natural killer T-cells. Forming a heterodimer with B2M (beta-2-microglobulin), CD1D plays a crucial role in immune responses. Additionally, it interacts with MHC II and CD74, contributing to the orchestration of the adaptive immune system.
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Caution: Product has not been fully validated for medical applications. For research use only.

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