

CD1D Protein, Mouse (HEK293, His-Fc)

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| Cat. No.: | HY-P75436 |
| Synonyms: | Antigen-presenting glycoprotein CD1d; CD1D; R3G1 |
| Species: | Mouse |
| Source: | HEK293 |
| Accession: | P11609 (M1-G305) |
| Gene ID: | 12479 |
| Molecular Weight: | Approximately 60.4 kDa |

PROPERTIES

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| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris, 150 mM NaCl, 10% Glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| Endotoxin Level | <1 EU/ μ g, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA