

## CD2 Protein, Cynomolgus (HEK293, His, solution)

Cat. No.:	HY-P75434
Synonyms:	T-cell surface antigen CD2; LFA-2; CD2; SRBC
Species:	Cynomolgus
Source:	HEK293
Accession:	NP_001182402.1 (K25-D209)
Gene ID:	677855
Molecular Weight:	Approximately 35.7 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	CD2 is a cell surface glycoprotein that plays a crucial role in mediating adhesion between T-cells and various cell types through interactions with lymphocyte function-associated antigen CD58 (LFA-3) and CD48/BCM1. Beyond its adhesive function, CD2 is implicated in triggering T-cell responses, with its cytoplasmic domain playing a role in signaling pathways. The protein interacts with CD48, CD58 (LFA-3), CD2AP, and PSTPIP1, contributing to a complex network of molecular interactions. Additionally, the interaction between CD2 and FCGR3A modulates NK cell activation and cytotoxicity, highlighting its diverse involvement in immune cell functions.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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