Proteins

Inhibitors

Product Data Sheet



CD2 Protein, Human (HEK293, His)

Cat. No.: HY-P7882

rHuT-cell surface antigen CD2/LFA-3 receptor, His; T-cell surface antigen CD2; Erythrocyte Synonyms:

Room temperature in continental US; may vary elsewhere.

receptor; LFA-2; LFA-3 receptor; Rosette receptor; T-cell surface antigen T11/Leu-5

Species: Human **HEK293** Source:

Accession: P06729 (K25-D209)

Gene ID: 914

Molecular Weight: Approximately 34.0 kDa

PROPERTIES

AA Sequence			
	KEITNALETW GALGQDINLD IP:	SFQMSDDI	DDIKWEKTSD
	KKKIAQFRKE KETFKEKDTY KL	FKNGTLKI	KHLKTDDQDI
	YKVSIYDTKG KNVLEKIFDL KIC	QERVSKPK	ISWTCINTTL
	TCEVMNGTDP ELNLYQDGKH LK	LSQRVITH	KWTTSLSAKF
	KCTAGNKVSK ESSVEPVSCP EKO	GLD	
Appearance	Lyophilized powder.		
Appearance	Lyophinized powder.		
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 n	nM NaCl, pH 7.4.	
Endotoxin Level	<1 EU/µg, determined by LAL method.		
Reconsititution	It is not recommended to reconstitute to a concentration less	than 100 μg/mL in dd	H ₂ O. For long term storage it is
	recommended to add a carrier protein (0.1% BSA, 5% HSA, 10	% FBS or 5% Trehalos	se).
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	d storage.	

DESCRIPTION

Background

Shipping

The human CD2 molecule is a transmembrane cell surface glycoprotein found on virtually all T cells, thymocytes, and NK cells. CD2 promotes the physical interaction of T-NK lineage cells with antigen-presenting cells (APCs), stromal elements, and a variety of target cells bearing the ubiquitously expressed CD2 ligand, CD58. In the case of T cells, CD2 fosters the initial stages of cell contact even prior to T cell receptor (TCR) recognition of a peptide antigen bound to a major histocompatibility complex (MHC) molecule (pMHC). Thus, unlike with integrin-based adhesion such as that mediated by CD11a/CD18 (LFA-1), CD2 adhesion function is independent of TCR triggering^[1].

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	FERENCES	
Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com	Wang JH, et, al. Structur	re of a heterophilic adhesion complex between the human CD2 and CD58 (LFA-3) counterreceptors. Cell. 1999 Jun 11;97(6):791-803.
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