
Product Data Sheet

Product Name: CD2 Human, Sf9

Cat. No.: GP23004

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	T-cell surface antigen CD2; T-cell surface antigen T11/Leu-5; LFA-2; LFA-3 receptor; Erythrocyte receptor; Rosette receptor; CD2 antigen; CD2; T11; SRBC.		
Amino Acid Sequence	ADPKEITNAL ETWGALGQDI NLDIPSFQMS DDIDDIKWEK TSDKKKIAQF RKEKETFKEK DTYKLFKNGT LKIKHLKTDD QDIYKVSIIYD TKGKNVLEKI FDLKIQERVS KPKISWTCIN TTLTCEVMNG TDPELNLYQD GKHLKLSQRV ITHKWTTSL S AKFKCTAGNK VSKESSVEPVSCPEKGLDHH HHHH.		
Formulation	CD2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

CD2 which is also known as E-rosette receptor, T11 and lymphocyte function antigen-2 (LFA-2) is expressed on T cells, thymocytes, and subset of natural killer cells. Human CD2 functions as the receptor for sheep erythrocytes, human CD58 (LFA-3), and CD15s (Sialyl Lewis X). p56lck, p59fyn, CD3eta and CD3epsilon are tyrosine-phosphorylated after CD2 stimulation. CD2 plays a role in T cell activation, T- or NK-cell-mediated cytotoxicity, apoptosis in activated peripheral T cells, and regulation of T cell anergy.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 194 amino acids (25-209a.a.) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

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of 22.3kDa (Molecular size on SDS-PAGE will appear at approximately 28-40 kDa).CD2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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