
Product Data Sheet

Product Name: CD7 Human, Sf9
 Cat. No.: GP23014
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	T-cell antigen CD7; GP40; LEU-9; Tp40; TP41; CD7; T-cell leukemia antigen; T-cell surface antigen Leu-9.		
Amino Acid Sequence	ADLAQEVQQS PHCTTVPVGA SVNITCSTSG GLRGIYLRQL GPQPQDIIYY EDGVVPTTDR RFRGRIDFSG SQDNLTITMH RLQLSDTGTY TCQAITEVNV YGSGLVLT EEQSQGWHR C SDAPPRASAL PAPPTGSALP DPQTASALPD PPAASALPHH HHHH.		
Formulation	CD7 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

T-cell antigen CD7 (CD7) is a type I transmembrane glycoprotein which is expressed on pluripotential hemopoietic cells, nearly all human thymocytes and some peripheral blood T cells. The CD7 molecule is missing in a subset of human T cells under some physiologic conditions. An increase in CD7 negative T cells can be observed in a number of inflammatory skin diseases.

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

CD7 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 164 amino acids (26-180a.a.) and having a molecular mass of 17.5kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). CD7 is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary

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

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chromatographic techniques.

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