
Product Data Sheet

Product Name: CD4 (26-396) Human

Cat. No.: GP20870

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD4 Molecule; T-Cell Surface Glycoprotein CD4; T-Cell Surface Antigen T4/Leu-3; CD4 Antigen (P55); CD4 Receptor; CD4 Antigen; CD4mut; T-cell surface glycoprotein CD4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMKKVVL GKKGDTVLT CTASQKKSIIQ FHWKNSNQIK ILGNQGSFLT KGPSKLNDRA DSRRSLWDQG NFPLIIKNLK IEDSDTYICE VEDQKEEVQL LVFGLTANS D THLLQGQSLTLTLESPPGSS PSVQCRSPRG KNIQGGKTLS VSQLELQDSG TWTCTVLQNO KKVEFKIDIV VLAFAQASSIVYKKEGEQVE FSFPLAFTVE KLTGSGELWW QAERASSSKS WITFDLKNKE VSVKRVTDQP KLQMGKKLPLHLTLQPALPQ YAGSGNLTLA LEAKTGKHLHQ EVNLVVMRAT QLQKNLTCEV WGPTSPKLML SLKLENKEAKVSKREKAVWV LNPEAGMWQC LLSDSGQVLL ESNIKVLPTW STPVQP.		
Formulation	CD4 protein solution (0.25mg/ml) containing 20mM Tris Hcl, PH8.0 and 10% glycerol.		

Introduction

CD4 is a cell-surface glycoprotein found on the mature helper T cells and immature thymocytes, as well as on monocytes and macrophages. (Some cytotoxic T cells have CD4 protein as well.) Normally, about 65% of T cells in the blood are CD4+ (have CD4 protein protruding from their membrane). A mature T cell with either have CD4 or CD8, but not both. During one stage of development T cells develop CD4 and CD8 receptors, but they eventually are differentiated in the thymus and become more specialized.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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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

CD4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 396 amino acids (26-396 a.a) and having a molecular mass of 44kDa. CD4 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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