
Product Data Sheet

Product Name: CD30 Human

Cat. No.: GP23046

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical
Appearance

solid

Shipping
Condition Shipped with Ice Packs.

Synonyms

CD30; D1S166E; KI-1; Tumor necrosis factor receptor superfamily member 8; CD30L receptor; Ki-1 antigen; Lymphocyte activation antigen CD30; TNFRSF8.

Amino Acid
Sequence

MGSSHHHHHH SGLVPRGSH MGSFPQDRPF EDTCHGNPSH YYDKAVRRCC
 YRCPMGLFPT QQCPQRPTDC RKQCEPDYYL DEADRCTACV TCSRDDLVEK
 TPCAWNSSRV CECRPGMFCS TSAVNSCARC FFHSVCPAGM IVKFPGTAQK
 NTVCEPASPG VSPACASPEN CKEPSSGTIP QAKPTPVSPA TSSASTMPVR
 GGTRLAQEAA SKLTRAPDSP SSVGRPSSDP GLSPTQPCPE GSGDCRKQCE
 PDYYLDEAGR CTACVSCSRD DLVEKTPCAW NSSRTCECRP GMICATSATN
 SCARCVYPI CAAETVTKPQ DMAEKDTTFE APPLGTQPDC NPTPENGEAP
 ASTSPTQSLV VDSQASKTLP IPTSAPVALS STGK.

Formulation

CD30 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

Introduction

Tumor necrosis factor receptor superfamily member 8 (CD30) is a member of the TNF-receptor superfamily. CD30 is expressed by activated (not by resting) T and B cells. CD30 interacts with TRAF2 and TRAF5 which mediate the signal transduction that leads to the activation of NF-kappaB. CD30 is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD30 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 384 amino acids (19-379a.a.) and having a molecular mass of 40.8kDa. CD30 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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