

## CD30 Human

**Description:** 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.

Catalog #: PRPS-1376

For research use only.

**Synonyms:** CD30, D1S166E, KI-1, Tumor necrosis factor receptor superfamily member 8, CD30L receptor, Ki-1 antigen, Lymphocyte activation antigen CD30, TNFRSF8.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSFPQDRPF EDTCHGNPSH  
YYDKAVRRCC YRCPMGLFPT QQCPQRPTDC RKQCEPDYYL DEADRCTACV TCSRDDLVEK  
TPCAWNSSRV CECRPGMFCSTSAVNSCARC FFHSVCPAGM IVKFPGTAQK NTVCEPASPG  
VSPACASPEN CKEPSSGTIP QAKPTPVSPA TSSASTMPVR GGTRLAQEAA SKLTRAPDSP  
SSVGRPSSDP GL

**Purity:** Greater than 85% as determined by SDS-PAGE.

### Formulation:

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

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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