

AR31160PU-N**Human CD153 / CD30L - Purified****Alternate names:**

CD30 Ligand, CD30-L, CD30LG, TNFSF8, Tumor necrosis factor ligand superfamily member 8

Quantity:

50 µg

Background:

The type-II membrane-associated glycoprotein CD30 ligand (CD30L) is a protein belonging to the TNF superfamily. The CD30L gene encodes for a 234 amino acid type II transmembrane protein, which contains a 37 amino acid cytoplasmic sequence, a 25 amino acid transmembrane domain and a 172 amino acid extracellular domain. The protein is expressed primarily on certain B cells, T cells, and monocytes. CD30L binds specifically to CD30 (receptor), which is expressed on activated, but not resting, B and T cells, in lymphomas and various chronically inflamed tissues. CD30L/CD30 interactions initiate a signaling cascade that can ultimately lead to the activation of NF-KappaB. CD30L/CD30 signaling exerts pleiotropic effects on normal cells, including cell death, differentiation, or cell division. Certain diseases, including Hodgkins's lymphoma, allergic inflammation, diabetes (in NOD mice), and mycobacterial infection can also be affected by CD30L/CD30 signaling.

Uniprot ID:[P32971](#)**NCBI:**[NP_001235.1](#)**GeneID:**[944](#)**Species:**

Human

Source:

CHO cells

Format:**State:** Lyophilized purified protein**Purity:** >98% by SDS-PAGE & HPLC analysis**Buffer System:** PBS without stabilizers**Reconstitution:** Restore in water to a concentration of 0.1-1.0 mg/ml.

This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at -20°C for future use.

Description:

Recombinant Human soluble CD30L (sCD30L) is a 188 amino acid polypeptide corresponding to the extracellular domain, and contains an 8 residue N-terminal His-ag

AA Sequence:HHHHHHHPS PGGSGGQRTD SIPNSPDNVP LKGGNCSEDL LCILKR APFK KSWAYLQVAK
HLNKTKLSWN KDGILHGVRV QDGNLVIQFP G LYFIICQLQ FLVQCPNNSV DLKLELLINK
HIKKQALVTV CESGMQT KHV YQNLSQLLD YLQVNTTISV NVDTFQYIDT STFPLENVLS IF
LYSNSD**Biological Activity:** Determined by its ability to stimulate human IL-8 production by human PBMC using a concentration range of 10.0-25.0 ng/ml. Note: Results may vary with PBMC donors.**Molecular weight:** 21.3 kDa (188 amino acids)**Add. Information:**

Centrifuge vials before opening!

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.