

PRODUCT INFORMATION

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| Target | CD30 Ligand |
| Synonyms | CD30-L;CD153;TNFSF8;CD30L;CD30LG;CD153 antigen;CD30 antigen ligand;CD30 Ligand |
| Description | Recombinant human CD30 Ligand Protein with N-terminal mouse Fc and C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | P32971 |
| Expression Host | HEK293 |
| Tag | N-Mouse Fc and C-6×His Tag |
| Molecular Characterization | mFc(Pro99-Lys330) CD30 Ligand(Gln63-Asp234) 6×His |
| Molecular Weight | The protein has a predicted molecular mass of 48.0 kDa after removal of the signal peptide. The apparent molecular mass of mFc-CD30 Ligand-His is approximately 53-70 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. This cytokine was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30 lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Two transcript variants encoding different isoforms have been found for this gene. |
| Usage | Research use only |
| Conjugate | Unconjugated |



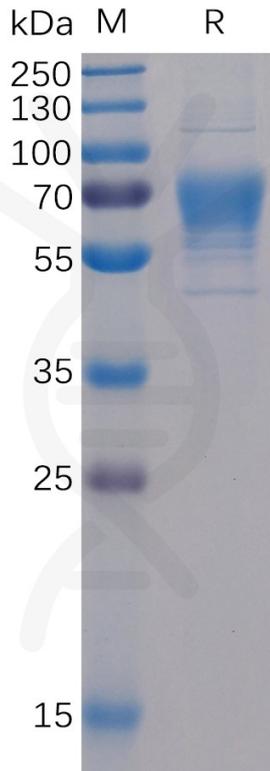


Figure 1. Human CD30 Ligand Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human CD30 Ligand, mFc-His Tagged protein ELISA

0.2 μ g of CD30, His Tagged protein per well

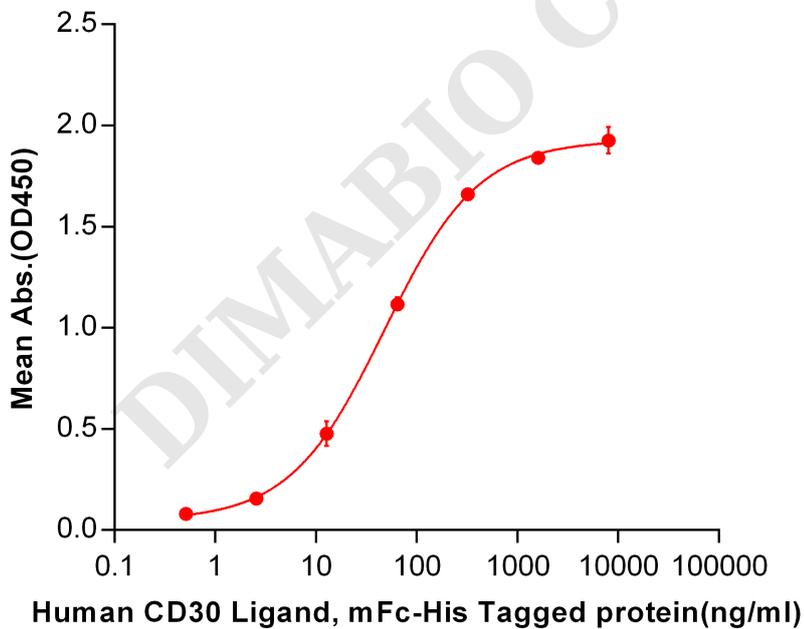


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human CD30, His tagged protein PME100481 can bind Human CD30 Ligand, mFc-His tagged protein (PME100041) in a linear range of 2.56-320 ng/ml.

