

Technical Data Sheet

Human CD30/TNFRSF8 Protein (C-His)

Catalog Number: 804601, 804602

Size: 25 ug, 100 ug

Target Name: TNFRSF8, CD30, Ki-1

Regulatory Status: RUO

Product Details

Application: ELISA, BLI

Format: Liquid, Purified

Expression Host: CHO

Species: Human

Sources: Recombinant Human CD30 protein (phe19-Lys379) with C-terminus His tag is expressed in CHO cells.

Accession Number: P28908

Molecular Weight: The protein has a predicted molecular weight of 40 kDa. Under DTT-reducing conditions, it migrates at approximately 50-80 kDa on SDS-PAGE.

Affinity Tag: C-His

Purity: >80% based on SDS-PAGE under reducing condition

Formulation: 1xPBS buffer, pH7.4, 0.22 µm filtered

Endotoxin level: Not tested

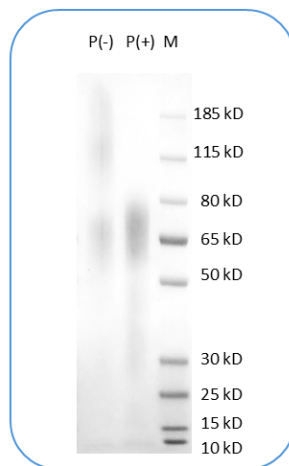
Protein Concentration: 25µg size is bottled at 0.2mg/mL concentration. 100 µg size is supplied at a lot-specific concentration.

Storage and Handling: Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 µm-filtered PBS buffer (pH 7.4). For long-term storage, the diluted stock solution should be aliquoted and stored at ≤ -70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability.

Background Information

CD30, also known as TNFRSF8, is a 120 kDa type I transmembrane glycoprotein from the TNF receptor superfamily. It is expressed on activated T, B, and NK cells, but not resting cells. CD30 is cleaved by metalloproteinases into a soluble form and is highly expressed in classical Hodgkin lymphoma and anaplastic large cell lymphoma. It interacts with proteins like TRAF1, TRAF2, and TRAF5, activating NF-κB signaling. This signaling regulates the proliferative potential of autoreactive CD8 T cells and protects against autoimmunity. CD30 is a therapeutic target in lymphoma immunotherapy and plays a role in autoimmune diseases like rheumatoid arthritis.

Product Data



Human CD30 protein (C-His) on SDS-PAGE under reducing condition (P+) and non-reducing condition (P-). The gel was stained for 1 hour with BlinkBlue (catalog 700102). The purity of this protein appears to be greater than 80% based on reducing conditions.