

Cynomolgus CD30 / TNFRSF8 Protein, His Tag (MALS verified)

Catalog # CD0-C52Ha



Synonyms

TNFRSF8, CD30, D1S166E, Ki-1

Source

Cynomolgus CD30 Protein, His Tag (CD0-C52Ha) is expressed from human 293 cells (HEK293). It contains AA Ala 27 - Pro 394 (Accession # [A0A2K5VW07](#)).

Molecular Characterization

CD30(Ala 27 - Pro 394)
A0A2K5VW07

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 40.8 kDa. The protein migrates as 65-95 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

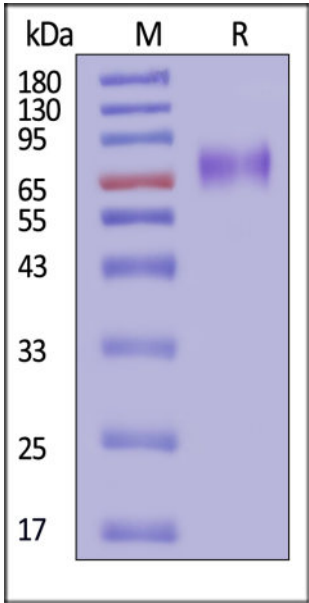
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

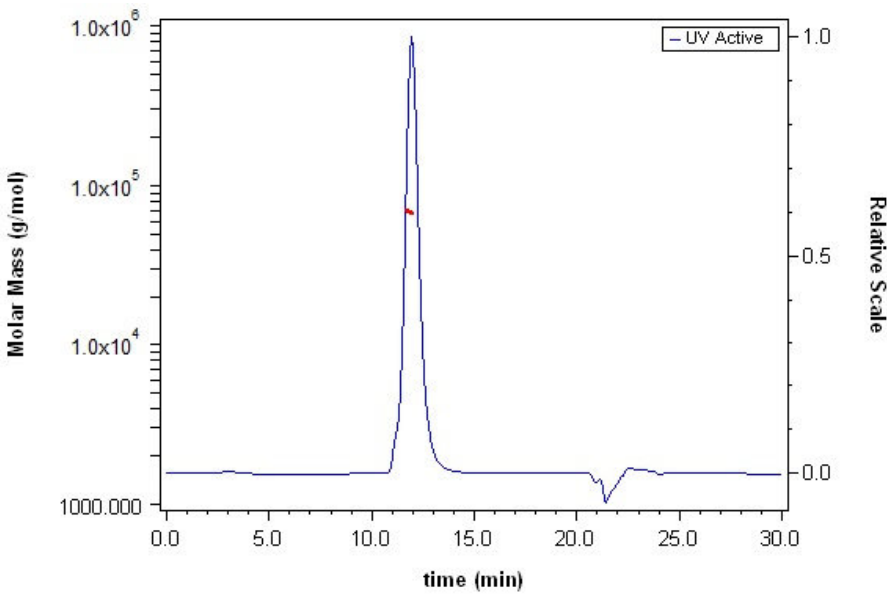
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



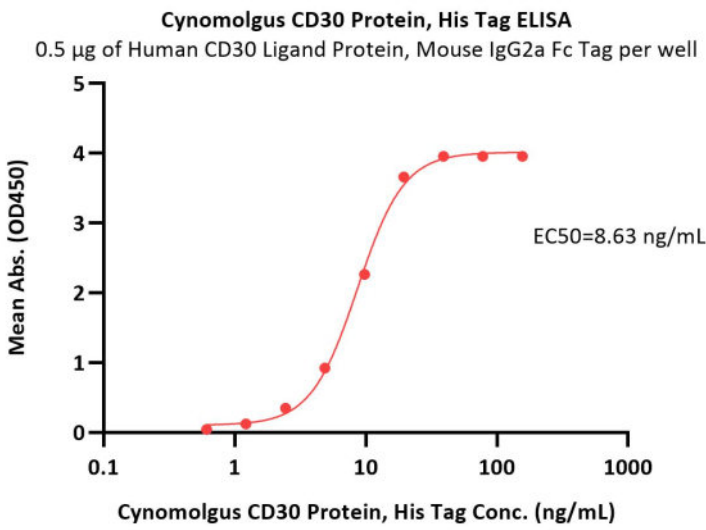
Cynomolgus CD30 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS

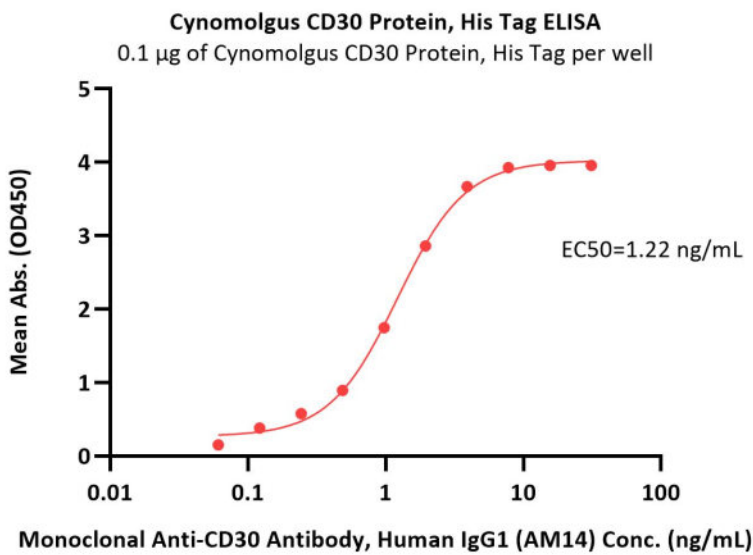


The purity of Cynomolgus CD30 Protein, His Tag (Cat. No. CD0-C52Ha) is more than 95% and the molecular weight of this protein is around 60-80 kDa verified by SEC-MALS.

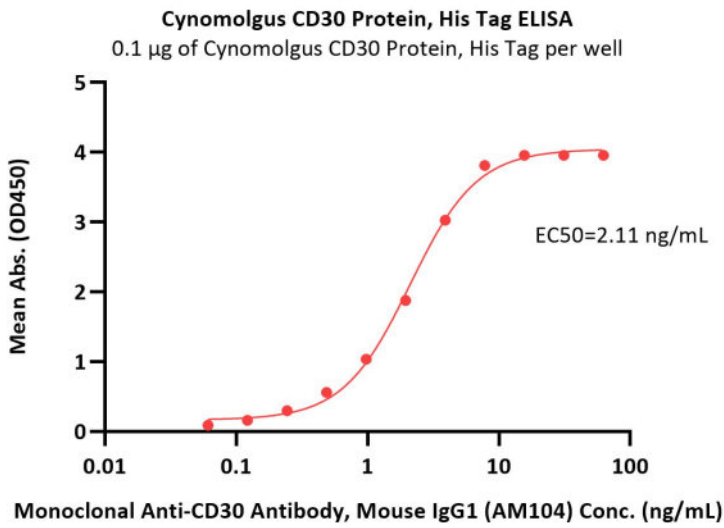
Bioactivity-ELISA



Immobilized Human CD30 Ligand Protein, Mouse IgG2a Fc Tag (Cat. No. CDL-H525b) at 5 µg/mL (100 µL/well) can bind Cynomolgus CD30 Protein, His Tag (Cat. No. CD0-C52Ha) with a linear range of 0.6-20 ng/mL (QC tested).



Immobilized Cynomolgus CD30 Protein, His Tag (Cat. No. CD0-C52Ha) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-CD30 Antibody, Human IgG1 (AM14) with a linear range of 0.06-4 ng/mL (Routinely tested).



Immobilized Cynomolgus CD30 Protein, His Tag (Cat. No. CD0-C52Ha) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-CD30 Antibody, Mouse IgG1 (AM104) with a linear range of 0.06-8 ng/mL (Routinely tested).

Background

Human CD30 is also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family and tumor marker. TNFRSF-8 is expressed by activated, but not by resting, T and B cells. Also, CD30 is expressed on classical Hodgkin Lymphoma cells together with CD15. CD30 is the receptor for TNFSF8/CD30L. CD30 can interact with TRAF2 and TRAF5, and mediate the signal transduction that leads to the activation of NF-kappa-B. TNFRSF8 may play a

role in the regulation of cellular growth and transformation of activated lymphoblasts. TNFRSF8 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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