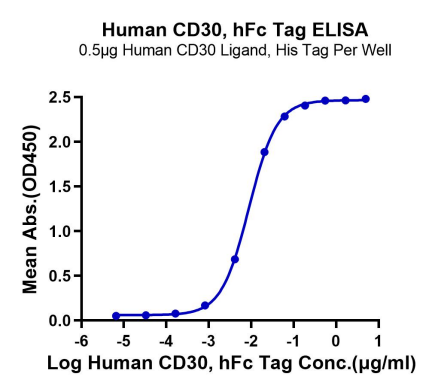
Bioactive HuPro®

TNFRSF8 (Human) Recombinant Protein

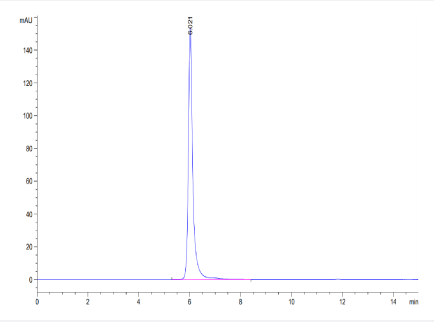
Catalog # P9866 Size 100 ug

Applications



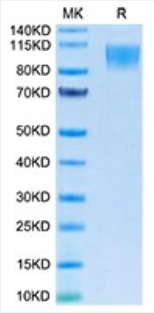
Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD30 Ligand, His Tag at 5 ug/mL (100 uL/well) on the plate. Dose response curve for Human CD30, hFc Tag with the EC50 of 8.9 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human CD30 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human CD30 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

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Product Description	Human TNFRSF8 (P28908-1, Phe19-Lys379) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.
Sequence	Phe19-Lys379
Host	Human
Theoretical MW (kDa)	65.2
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 8.9 ng/mL, messured by ELISA at 5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD30 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD30 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD30 Ligand, His Tag at 5 ug/mL (100 uL/well) on the plate. Dose response curve for Human CD30, hFc Tag with the EC50 of 8.9 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

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Gene Info — TNFRSF8

Entrez GeneID	943
Protein Accession#	P28908-1
Gene Name	TNFRSF8
Gene Alias	CD30, D1S166E, KI-1
Gene Description	tumor necrosis factor receptor superfamily, member 8
Omim ID	153243
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This rece ptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potenti al of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternativel y spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	CD30 antigen|CD30L receptor|Ki-1 antigen|OTTHUMP00000001783|cytokine receptor CD30|ly mphocyte activation antigen CD30

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Hematologic Diseases
- HIV Infections
- Kidney Failure
- Multiple Myeloma

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- Occupational Diseases
- Tobacco Use Disorder

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