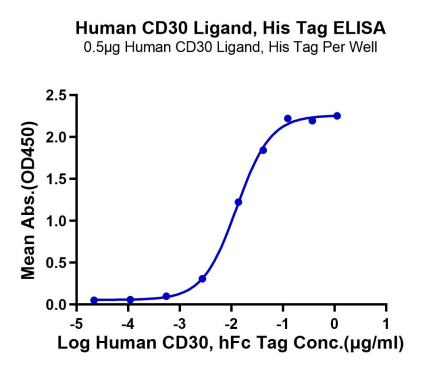
Bioactive CellTx™ HuPro®

# TNFSF8 Tetramer (Human) Recombinant Protein

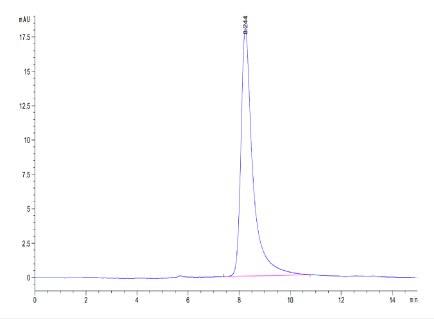
Catalog # P9804 Size 100 ug

## Applications



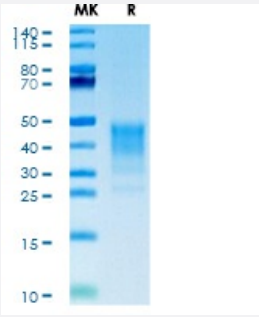

### Enzyme-linked Immunoabsorbent Assay

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 Ligand is greater than 95% as determined by SEC-HPLC.




### Tris-Bis PAGE

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

## Specification

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| | |
|---|---|
| **Product Description** | Human TNFSF8 (P32971, Gln63-Asp234) partial recombinant protein with His tag at N-terminus expressed in HEK293 cells. |
| **Sequence** | Gln63-Asp234 |
| **Host** | Human |
| **Theoretical MW (kDa)** | 20.7 |
| **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<br>SEC-HPLC<br>The purity of Human CD30 Ligand is greater than 95% as determined by SEC-HPLC.<br>Tris-Bis PAGE<br>Human CD30 Ligand on Tris-Bis PAGE under reduced condition. The purity is greater than 95%. |
| **Recommend Usage** | Biological Activity<br>ELISA<br>SDS-PAGE<br>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

- Functional Study
- 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.
- SDS-PAGE

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## Gene Info — TNFSF8

| | |
|---|---|
| **Entrez GeneID** | 944 |
| **Protein Accession#** | P32971 |
| **Gene Name** | TNFSF8 |
| **Gene Alias** | CD153, CD30L, CD30LG, MGC138144 |
| **Gene Description** | tumor necrosis factor (ligand) superfamily, member 8 |
| **Omim ID** | 603875 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) lig and family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a ma rker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytoki ne 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 an d reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cy tokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. [provided by RefSeq |
| **Other Designations** | CD153 antigen\|CD30 antigen ligand\|CD30 ligand\|OTTHUMP00000022762 |

## Pathway

- Cytokine-cytokine receptor interaction

## Disease

- Diabetes Mellitus
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Kidney Failure
- Lymphoma
- Lymphoproliferative Disorders

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- Multiple Myeloma
- Occupational Diseases
- Waldenstrom Macroglobulinemia
- Werner syndrome

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