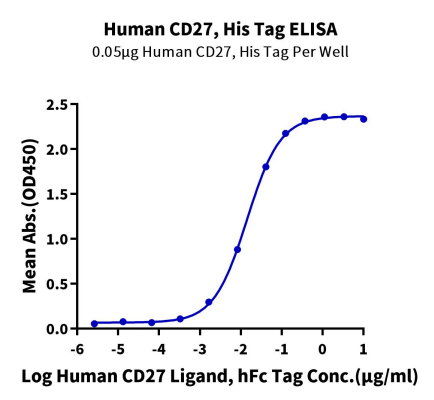
Bioactive CellTx™ HuPro®

CD27 (Human) Recombinant Protein

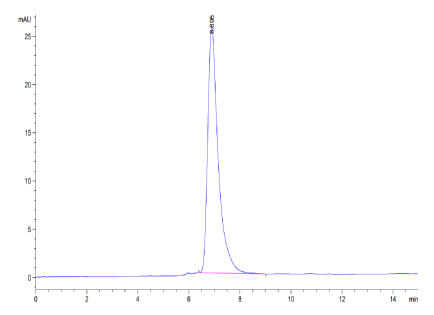
Catalog # P10097 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

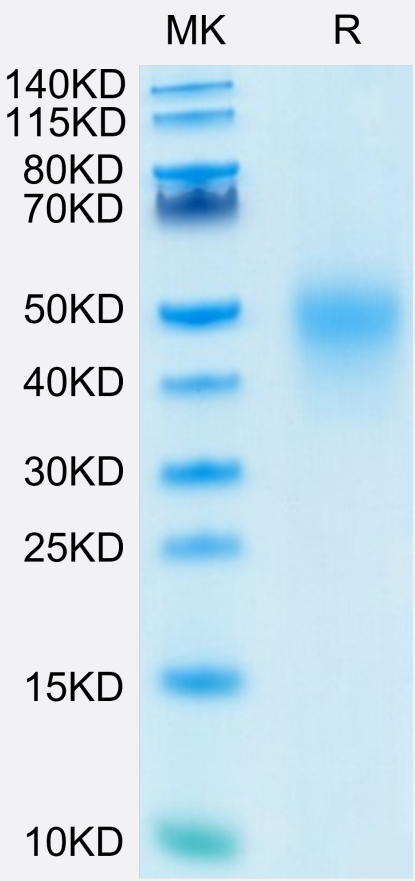
Immobilized Human CD27, His Tag at 0.5 ug/ml (100 ul/Well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC_{50} of 14.2 ng/ml determined by ELISA.



SEC-HPLC

The purity of Human CD27 is greater than 95% as determined by SEC-HPLC.

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Tris-Bis PAGE

Human CD27 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human CD27 (P26842, Thr21-Ile192) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.
Sequence	Thr21-Ile192
Host	Human
Theoretical MW (kDa)	18.1
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)
Quality Control Testing	SEC-HPLC SEC-HPLC The purity of Human CD27 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD27 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

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Recommend Usage	Biological Activity ELISA SEC-HPLC Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD27, His Tag at 0.5 ug/ml (100 ul/Well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC_{50} of 14.2 ng/ml determined by ELISA.

Gene Info — CD27

Entrez GeneID	939
Protein Accession#	P26842
Gene Name	CD27
Gene Alias	MGC20393, S152, T14, TNFRSF7, Tp55
Gene Description	CD27 molecule
Omim ID	186711
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. [provided by RefSeq
Other Designations	CD27 antigen|CD27L receptor|T cell activation antigen CD27|T cell antivation antigen S152|tumor necrosis factor receptor superfamily, member 7

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Pathway

- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Bronchial Hyperreactivity
- Genetic Predisposition to Disease
- Hematologic Diseases
- Kidney Failure
- Multiple Myeloma
- Occupational Diseases

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