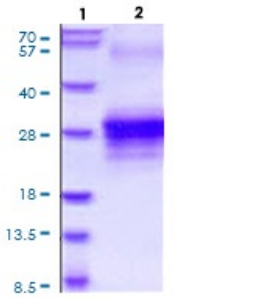
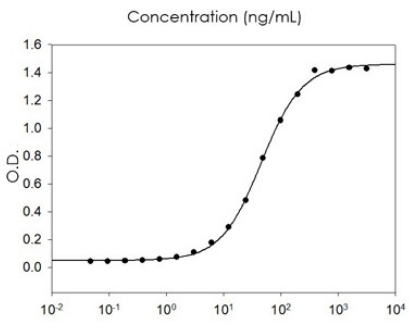
Bioactive

TNFSF8 (Human) Recombinant Protein

Catalog # P7975 Size 100 ug

Applications





Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human TNFSF8 (P32971, 63 a.a. - 234 a.a.) partial length recombinant protein with His tag expressed in Baculovirus expression system.
Sequence	QRTDSIPNSPDNVPLKGGNCSEDLLCILKRAPFKKSWAYLQVAKHLNKTKLSWNKDGILHGVRYQDGNLVIQFPGLYFIICQLQFLVQCPNNSVDLKLELLINKHIKKQALVTVCESGMQTKHVYQNLSQFLLDYLQVNTTISVNVDTFQYIDTSTFPLENVLSIFLYSNSD
Host	Viruses
Theoretical MW (kDa)	20.7

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Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 85% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	Measured by the binding ability in a functional ELISA with Human CD30/TNFRSF8.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
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 Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

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

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

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