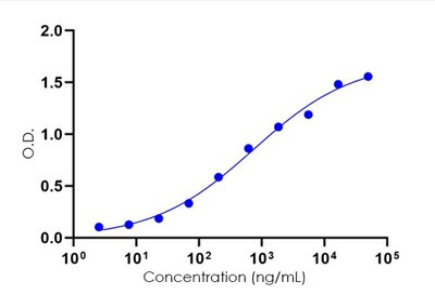
Bioactive HuPro®

TNFSF14 (Human) Recombinant Protein

Catalog # P7612 Size 50 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human TNFSF14 (O43557, 74 a.a. - 240 a.a.) partial recombinant protein expressed in HEK293 cells.
Sequence	DGPAGSWEQLIQERRSHEVNPAAHLTGANSSLTGSGGPLLWETQLGLAFLRGLSYHDGALVVTK AGYYYIYSKVQLGGVGCPLGLASTITHGLYKRTPRYPEELELLVSQQSPCGRATSSSRVWWDSSF LGGVVHLEAGEKVVVRVLDERLVRLRDGTRSYFGAFMV
Host	Mammals
Theoretical MW (kDa)	15.6
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by gel clotting method)
Activity	Immobilized LIGHT, Human at 2.0 ug/mL (100 uL/well) can bind HVEM-Fc, Human with EC_{50} = 0.738 ug/mL when detected by Mouse Anti-Human IgG FC-HRP.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL

Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage 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 — TNFSF14

Entrez GeneID	8740
Protein Accession#	O43557
Gene Name	TNFSF14
Gene Alias	CD258, HVEML, LIGHT, LTg, TR2
Gene Description	tumor necrosis factor (ligand) superfamily, member 14
Omim ID	604520
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. T his protein is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor su perfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein may fun ction as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apop tosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha m ediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding dist inct isoforms have been reported. [provided by RefSeq
Other Designations	delta transmembrane LIGHT|herpesvirus entry mediator A|ligand for herpesvirus entry mediator|tu mor necrosis factor ligand superfamily, member 14|tumor necrosis factor receptor-like 2|tumor ne crosis factor superfamily member LIGHT

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Dementia
- Genetic Diseases
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Hyperparathyroidism
- Inflammation
- Lymphoproliferative Disorders
- Multiple Myeloma
- Narcolepsy
- Occupational Diseases
- Stroke
- Waldenstrom Macroglobulinemia
- Werner syndrome