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sCD27 Ligand, Human recombinant protein
TNFSF7, CD70
Catalog # PBV10760r

Specification

sCD27 Ligand, Human recombinant protein - Product info

Primary Accession	P26842
Calculated MW	**19.2 kDa KDa**

sCD27 Ligand, Human recombinant protein - Additional Info

Gene ID	**939**
Gene Symbol	**CD27**
Other Names	
TNFSF7, CD70	
Gene Source	**Human**
Source	**CHO cells**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**
Sequence	**HHHHHHHHPS PGGSGGQRFA QAQQQLPLES LGWDVAELQL NHTGPQQDPR LYWQGGPALG RSFLHGPELD KGQLRIHRDG IYMVHIQVTL AICSSTTASR HHPTTLAVGI CSPASRSISL LRLSFHQGCT IASQRLTPLA RGDTLCTNLT GTLLPSRNTD ETFFGVQWVR P**

Target/Specificity
sCD27

Application Notes
Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format
Lyophilized powder

Storage
-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 20 mM Sodium Citrate, pH 3.0.

sCD27 Ligand, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

sCD27 Ligand, Human recombinant protein - Images

sCD27 Ligand, Human recombinant protein - Background

CD27 Ligand, a type II transmembrane protein, is a member of the TNF superfamily. It is expressed on activated T and B lymphocytes as well as NK cells. CD27L and its receptor (CD27) regulate the immune response by promoting T-cell expansion and differentiation, as well as NK enhancement. CD27 signaling can act as a co-stimulatory effector to sustain the survival of CD8+ T cells, primarily by inducing increased expression of the IL-2 gene. Full length human CD27L is a 193 amino acid protein, consisting of a 17 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 155 amino acid extracellular domain. Human soluble CD27L corresponds to the 155 amino acid extracellular domain of the full length CD27L protein. BioVision's recombinant human sCD27L contains the extracellular domain plus an N-terminal His-Tag.

sCD27 Ligand, Human recombinant protein - References

Camerini D.,et al.J. Immunol. 147:3165-3169(1991).
Loenen W.A.,et al.J. Immunol. 149:3937-3943(1992).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Scherer S.E.,et al.Nature 440:346-351(2006).
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).