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Recombinant Human soluble 4-1BB receptor

Description: 4-1BB Receptor, a member of the TNF superfamily of receptors, is mainly expressed on the surface of a variety of T cells, but also found in B cells, monocytes, and various transformed cell lines. 4-1BB Receptor binds to 4-1BBL to provide a co-stimulatory signal for T lymphocytes. Signaling by 4-1BB Receptor has been implicated in the antigen-presentation process and generation of cytotoxic T cells. The human 4-1BB Receptor gene codes for a 255 amino acid type I transmembrane protein containing a 17 amino acid N-terminal signal sequence, a 169 amino acid extracellular domain, a 27 amino acid transmembrane domain and a 42 amino acid cytoplasmic domain. Recombinant human soluble 4-1BB Receptor is a 167 amino acid polypeptide (17.7 kDa), which contains the cysteine rich TNFR-like extracellular domain of 4-1BB Receptor.

Source:	E. coli
Molecular Weight:	17.7 kDa
Purity:	> 98% by SDS-PAGE and HPLC analyses
Endotoxin level:	< 0.1 ng per µg of 4-1BB receptor
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: Determined by its inhibitory effect of the 4-1BBL mediated stimulation of IL-8 production by human PBMC. About 90% of inhibition was seen using a concentration of 1µg for both 4-1BBL and 4-1BBR.

Reconstitution: We recommended a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at -20°C for future use.

Stability: The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted 4-1BBL should be stored in working aliquots at -200C. **Avoid repeated freeze-thaw cycles.**

Usage: Human 4-1 BB receptor is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: S01-039

Size: 20 µg

****please note: always centrifuge product before opening Vial.****