Recombinant Protein Technical Manual

Recombinant Human B7-H6 Protein (His Tag)(Active)

RPES1177

Product Data:

Product SKU: RPES1177

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: NP_001189368.1

Protein Information:

Molecular Mass:	27.5 kDa
AP Molecular Mass:	27.5 kDa
Tag:	C-6His
Bio-activity:	Immobilized Human B7-H6-His at 2µg/ml(100 µl/well) can bind NCR3-Fc. The ED50 of Human B7-H6-His is 6.40 ug/ml.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per µg as determined by the LAL method.
Storage:	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Functional ELISA
Synonyms:	Natural cytotoxicity triggering receptor 3 ligand 1; B7 homolog 6; B7-H6; NCR3LG1; B7H6

Immunogen Information:

Sequence: Asp25-Ser262

Background:

Natural cytotoxicity triggering receptor 3 ligand 1(B7-H6) is a glycosylated member of the B7 family of immune costimulatory proteins. Mature human B7-H6 consists of a 238 amino acid (aa) extracellular domain (ECD) that contains one Ig-like V domain and one Ig-like C1 domain, a 21 aa transmembrane segment, and a 171 aa cytoplasmic domain that contains one ITIM, one SH2, and one SH3 motif. Both of the Ig-like domains carry N-linked glycosylation. The Ig-like V domain mediates 1:1 stoichiometric binding of B7-H6 to NKp30 expressed on NK cells. It does not show binding to NKp44, NKp46, or NKG2D. Ligation of NKp30 by B7-H6 induces NK cell activation and target cell cytolysis. B7-H6 is expressed on a wide range of hematopoietic, carcinoma, and melanoma tumor cells, which is consistent with the detection of NKp30 binding sites on many tumors.