



Recombinant Protein Technical Manual
Recombinant Human CD48 Protein (His Tag)(Active)
RPES2908

Product Data:

Product SKU: RPES2908

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_001769.2

Protein Information:

Molecular Mass: 23.8 kDa

AP Molecular Mass: 40 kDa

Tag: C-His

Bio-activity: Measured by its binding ability in a functional ELISA. Immobilized human CD48 at 10 µg/ml (100 µl/well) can bind recombinant human 2B4 / CD244 with a linear range of 0.004-0.4 µg/ml.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg of the protein 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°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: CD48 antigen; B-lymphocyte activation marker BLAST; BCM1 surface antigen; Leukocyte antigen MEM02; TCT.1; CD48; BCM1;BLAST1;hCD48;mCD48;SLAMF2

Immunogen Information:

Sequence: Met 1-Ser 220

Background:

Cluster of Differentiation 48 (CD48), also known as SLAMF2, BCM and BLAST, is a GPI-linked protein belonging to the CD2 subfamily of immunoglobulin superfamily molecules. CD2 and 2B4 (CD244) are known ligands for CD48. CD48 protein is expressed on most lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors. CD48 protein performs biological functions in a variety of processes including adhesion, pathogen recognition, cellular activation, and cytokine regulation, and emerges as a critical effector molecule in immune responses.