



Recombinant Protein Technical Manual

Recombinant Mouse CD48 Protein (His Tag)

RPES0146

Product Data:

Product SKU: RPES0146

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: NP_031675.1

Protein Information:

Molecular Mass: 23.1 kDa

AP Molecular Mass: 45-50 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by 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°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 a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to it for detailed information.

Application:

Synonyms: CD48; BLAST1; BCM1; SLAMF2;SLAM Family Member 2;AI449234; AW610730; Bcm; BLAST; MEM02;Sgp-60

Immunogen Information:

Sequence: Phe23-Arg216

Background:

CD48 is a GPI-linked protein in the CD2 family of immunoglobulin superfamily proteins. CD48 is expressed on most lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors. Among dendritic cells (DC), CD48 is selectively expressed on circulating myeloid DC and resident bone marrow and thymus DC. CD2, 2B4, and heparan sulfate function as CD48 ligands. CD48 is competent to transduce signals and can also trigger signaling through CD2 or 2B4. CD48 expressed on NK cells is coactivating, whereas CD48 expressed on other cell types inhibits NK cell activation.