



Recombinant Protein Technical Manual  
Recombinant Mouse CD48 Protein (His Tag)(Active)  
RPES2326

### Product Data:

**Product SKU:** RPES2326

**Size:** 50µg

**Species:** Mouse

**Expression host:** HEK293 Cells

**Uniprot:** NP\_031675.1

### Protein Information:

**Molecular Mass:** 23.7 kDa

**AP Molecular Mass:**

**Tag:** C-His

**Bio-activity:** 1. Measured by its ability to bind human 2B4 in a functional ELISA. 2. Measured by its ability to bind biotinylated recombinant mouse CD2 in a functional ELISA.

**Purity:** > 85 % as determined by 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; BLAST1; BCM1; SLAMF2; SLAM Family Member 2; AI449234; AW610730; Bcm; BLAST; MEM02; Sgp-60

## Immunogen Information:

**Sequence:** Met 1-Arg 216

## 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.