



Recombinant Protein Technical Manual

Recombinant Human CD48 Protein (mFc Tag)

RPES4833

Product Data:

Product SKU: RPES4833

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P09326

Protein Information:

Molecular Mass: 48.9 kDa

AP Molecular Mass: 55-70 kDa

Tag: C-mFc

Bio-activity:

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

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 20 mM Tris, 150mM NaCl, pH8.0.

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

Application:

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: Gln27-Ser220

Background:

CD48 antigen, also known as B-lymphocyte activation marker BLAST, BCM1 surface antigen, Leukocyte antigen MEM02, TCT.1, CD48, BCM1, and BLAST1, CD48 contains one Ig-like C2-type domain and one Ig-like V-type domain, but does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. CD48 may facilitate interaction between activated lymphocytes and be involved in regulating T-cell activation. CD48 plays a vital role as an environmental sensor for regulating progenitor cell numbers and inhibiting tumor development. It is suggested that the anti-CD48 mAb has the potential to become an effective therapeutic mAb against multiple myeloma.