

## MOUSE CD48 PROTEIN, HFC TAG

**Cat.#:** 12173

**Product Name:** Mouse CD48 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** BCM1;SLAMF2;BLAST;BLAST1;MEM-102;TCT.1;BCM-1;SLAMF-2;BLAST-1

**Target:** CD48

**UNIPROT ID:** P18181

**Description:** Recombinant mouse CD48 protein with C-terminal human Fc tag

**Background:** Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.[UniProtKB/Swiss-Prot Function]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 48.5 kDa after removal of the signal peptide. The apparent molecular mass of mCD48-hFc is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** Mouse CD48(Phe23-Ser217) hFc(Glu99-Ala330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Mouse CD48 Protein, hFc Tag on SDS-PAGE under reducing condition.