

**PRODUCT INFORMATION**

<b>Target</b>	CD48
<b>Synonyms</b>	CD48;BCM1;SLAMF2;BLAST;BLAST1;MEM-102;TCT.1;BCM-1;SLAMF-2;BLAST-1
<b>Description</b>	Recombinant human CD48 protein with C-terminal human Fc
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P09326
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	CD48(Gln27-Ser220) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 48.5 kDa after removal of the signal peptide. The apparent molecular mass of CD48-hFc is approximately 55-70 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	This gene encodes a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which may be cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Usage</b>	Research use only



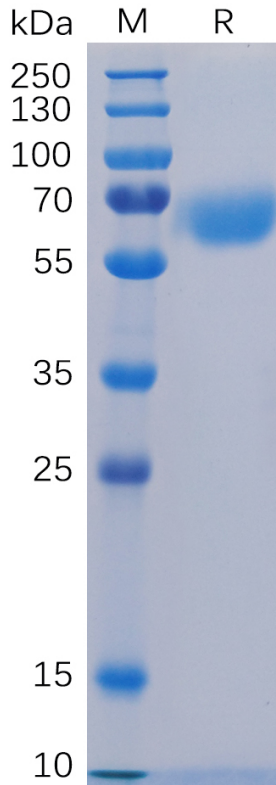


Figure 1. Human CD48 Protein, hFc Tag on SDS-PAGE under reducing condition.

## Human CD48, hFc Tagged protein ELISA

0.2  $\mu$ g of CD48, hFc Tagged protein per well

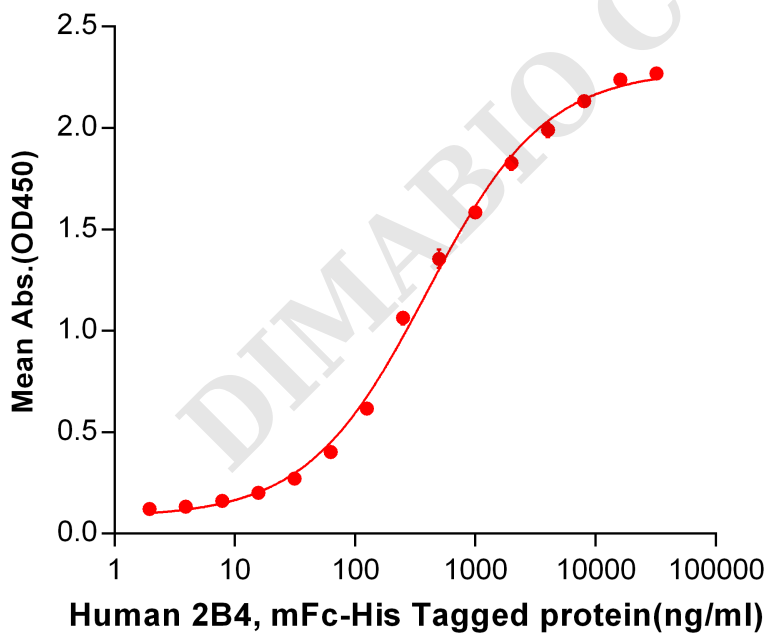


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human 2B4, mFc-His tagged protein PME100010 can bind Human CD48, hFc tagged protein (PME100476) in a linear range of 31.25-4000 ng/ml.

