PRODUCT INFORMATION

Target	CD48
Synonyms	CD48;BCM1;SLAMF2;BLAST;BLAST1;MEM-102;TCT.1;BCM-1;SLAMF-2;BLAST-1
Description	Recombinant human CD48 protein with C-terminal human Fc
Delivery	In Stock
Uniprot ID	P09326
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	CD48(Gln27-Ser220) hFc(Glu99-Ala330)
Molecular Weight	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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
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.
Background	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 maybe cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.
Usage	Research use only
Conjugate	Unconjugated

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

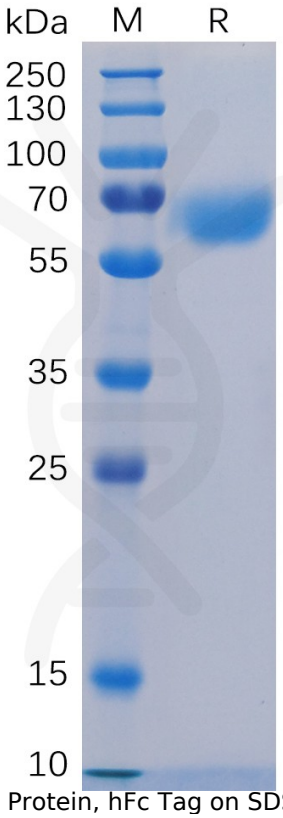


Figure 1. Human CD48 Protein, hFc Tag on SDS-PAGE under reducing condition.

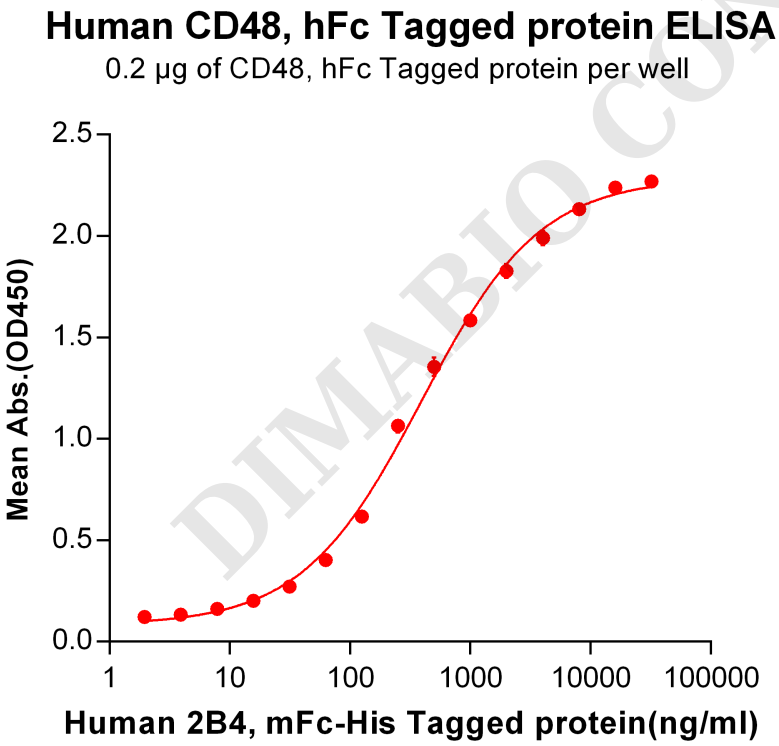


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human 2B4, mFc-His tagged protein PME100010 can bind Human CD48, hFc tagged protein (PME100476) in a linear range of 31.25-4000 ng/ml.

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