

## CD48 Protein, Human, Recombinant (hFc) V2

### General Information

Synonyms:	BLAST1;MEM-102;BLAST;hCD48;CD48 molecule;BCM1;Blast-1;SLAMF2;mCD48
Protein Construction:	27-220 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P09326
Molecular Weight:	51.3 kDa (Predicted)
AA Sequence:	QGHLVHMTVVSGSNVTLNISESLPENYKQLTWFYTFDQKIVEWDSRKSKEYFESKFKGRVRLDPQSGALYISKV QKEDNSTYIMRVLKKKTGNEQEWKIKLQVLDPVPKPKVIKIEKIEDMDDNCYLKLSCVIPGESVNYTWYGDKRPF KELQNSVLETTLMPHNYSRCYTCQVSNSVSSKNGTVCLSPPTLARS

### QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized CD48 at 2 µg/ml can bind Anti-CD48 rabbit monoclonal antibody, the EC50 of human CD48 protein is 0.5806-0.8463 ng/ml.
Purity:	> 90% as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4

### Preparation and Storage

#### Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481