

Recombinant Human CD48 Protein (mFc Tag)

Catalog Number: PKSH033522

Note: Centrifuge before opening to ensure complete recovery of vial contents.

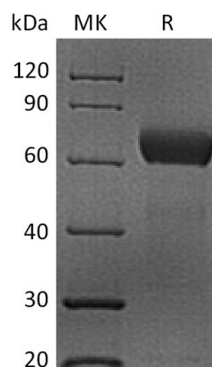
Description

Species	Human
Source	HEK293 Cells-derived Human CD48 protein Gln27-Ser220, with an C-terminal mFc
Calculated MW	48.9 kDa
Observed MW	60-80 kDa
Accession	P09326
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°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-HCl, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD48 antigen; also known as B-lymphocyte activation marker BLAST-1; BCM1 surface antigen; Leukocyte antigen MEM-102; 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.

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