

Bioactive

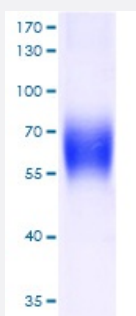
HuPro®

CD48 (Human) Recombinant Protein

Catalog # P6758

Size 100 ug

Applications



CD48 (Human) Recombinant Protein (Cat #P6758) was determined by SDS-PAGE with Coomassie Blue, showing a band at 63-73 kDa.

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CD48 (NP_001769.2, 27 a.a. - 220 a.a.) partial recombinant protein with Fc and His tag at C-terminus expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	63-73
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Ni-sepharose purification
Purity	> 97% by SDS-PAGE

Endotoxin Level	< 0.1 EU/ug
Activity	Measured by the binding ability in a functional ELISA. Immobilized Recombinant human CD244 at 5 ug/mL (100 uL/well) can bind Recombinant human CD48 with a linear range of 0.15-0.65 ug/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue CD48 (Human) Recombinant Protein (Cat #P6758) was determined by SDS-PAGE with Coomassie Blue, showing a band at 63-73 kDa.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS, pH 7.4.
Storage Instruction	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution to a concentration of 0.1-0.5 mg/mL in sterile distilled water, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- SDS-PAGE

Gene Info — CD48

Entrez GeneID	962
Protein Accession#	P09326
Gene Name	CD48
Gene Alias	BCM1, BLAST, BLAST1, MEM-102, SLAMF2, hCD48, mCD48
Gene Description	CD48 molecule
Omim ID	109530
Gene Ontology	Hyperlink

Gene Summary

BLAST1 is the designation used for an activation-associated cell surface glycoprotein of 40 to 45 kD expressed primarily in mitogen-stimulated human lymphocytes. The protein sequence predicted by the cDNA encoding BLAST1 indicates that BLAST1 is a member of the immunoglobulin supergene family. Yokoyama (1991) identified the BLAST1 activation/adhesion molecule as CD48.[supplied by OMIM]

Other Designations

CD48 antigen (B-cell membrane protein)|OTTHUMP00000025680|OTTHUMP00000060268

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Adenocarcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)