

Bioactive

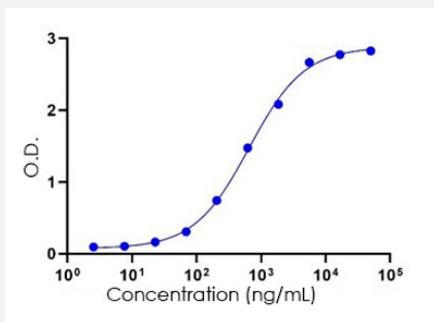
HuPro®

CD48 (Human) Recombinant Protein

Catalog # P7592

Size 1 mg

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human CD96 (P09326, 27 a.a. - 220 a.a.) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.

Sequence

QGHLVHMTVVSGSNVTLNISESLPENYQLTFYTFDQKMEWDSRKSKEYESKFGRVRLDPQS
GALYISKVQKEDNSTYIMRVLKKTGNEQEWKIKLQVLDVPKPKVIEKIEDMDDNCKLKLSCVIPGE
SVNYTWYGDKRPFKELQNSVLETTLMPHNYSRCYTCQVSNVSSKNGTVCLSPCTLARS

Host

Mammals

Theoretical MW (kDa)

65.40000000000001

Form

Lyophilized

Preparation Method

Mammalian cell (HEK293) expression system

Purity

> 95% by SDS-PAGE

Endotoxin Level

< 1 EU per 1 ug of protein (determined by gel clotting method)

Activity

Immobilized CD244 (Mammalian, C-6His) at 5.0 ug/mL (100 uL/well) can bind CD48/SLAMF2, hFc, Human with EC₅₀=0.653 ug/mL when detected by Mouse Anti Human IgG Fc-HRP.

Storage Buffer

Lyophilized from sterile distilled Water up to 100 ug/mL

Storage Instruction

Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

Result of bioactivity analysis
Result of bioactivity analysis

Applications

- Functional Study
- 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.[s applied 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](#)