

Bioactive

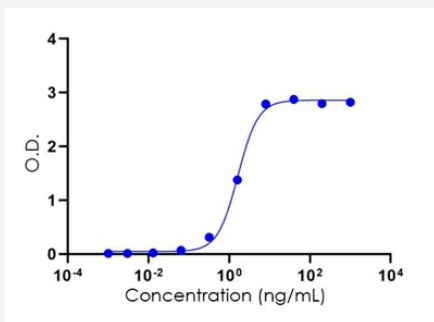
HuPro®

CD38 (Human) Recombinant Protein

Catalog # P7553

Size 1 mg

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human CD38 (P28907, 43 a.a. - 300 a.a.) partial recombinant protein expressed in HEK293 cell.

Sequence

VPRWRQQWSGPGTTKRFPETVLARCVKYTEIHPEMRHVDCQSVWDAFKGAFISKHPCNITEEDY
QPLMKLGTQTPCNKILLWSRIKDLAHQFTQVQRDMFTLEDTLGLYADDLTWCGEFNTSKINYQS
CPDWRKDCSNNPVSFVWKTVSRRFAEAACDVHVMLNGSRSKIFDKNSTFGSVEVHNLQPEK
VQTLAEAWVIHGGREDSRDLCQDPTIKELESIIKRNQFSCKNYRPDKFLQCVKNPEDSSCTSEI

Host

Mammals

Theoretical MW (kDa)

35.7

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 CD38, Human at 1.0 ug/mL (100 uL/well) can bind Human CD38 Antibody (38.F2), Mouse with EC₅₀ = 1.640 ng/mL when detected by M6 Goat Anti Mouse (Fc).

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 — CD38

Entrez GeneID[952](#)**Protein Accession#**[P28907](#)**Gene Name**

CD38

Gene Alias

T10

Gene Description

CD38 molecule

Omim ID[107270](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leukocytes. CD38 also functions in cell adhesion, signal transduction and calcium signaling. [provided by RefSeq]

Other Designations

ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase|CD38 antigen|CD38 antigen (p45)|cyclic ADP-ribose hydrolase

Pathway

- [Calcium signaling pathway](#)
- [Hematopoietic cell lineage](#)
- [Metabolic pathways](#)

- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Cell Transformation](#)
- [Child Development Disorders](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Osteoporosis](#)