

Human CellExp™ CD38, human recombinant
ADP-ribosyl Cyclase 1, Cyclic ADP-ribose Hydrolase 1, ADPRC 1, T10
Catalog # PBV11491r**Specification**

Human CellExp™ CD38, human recombinant - Product info

Primary Accession [P28907](#)
Calculated MW **70 kDa KDa**

Human CellExp™ CD38, human recombinant - Additional Info

Gene ID **952**
Other Names
ADP-ribosyl Cyclase 1, Cyclic ADP-ribose Hydrolase 1, ADPRC 1, T10

Gene Source **Human**
Source **HEK 293 cells**
Assay&Purity **SDS-PAGE; ≥ 98%**
Recombinant **Yes**
Target/Specificity
CD38

Application Notes

Reconstitute in 1X PBS to the desired protein concentration.

Format

Lyophilized

Storage

-20°C; Lyophilized from 0.2 µm-filtered solution in PBS.

Human CellExp™ CD38, human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp™ CD38, human recombinant - Images**Human CellExp™ CD38, human recombinant - Background**

CD38, also known as cyclic ADP ribose hydrolase is a glycoprotein found on the surface of many

immune cells (white blood cells), including CD4+, CD8+, B lymphocytes and natural killer cells. CD38 also functions in cell adhesion, signal transduction and calcium signaling. CD38 is a multifunctional ectoenzyme that catalyzes the synthesis and hydrolysis of cyclic ADP-ribose (cADPR) from NAD⁺ to ADP-ribose. These reaction products are essential for the regulation of intracellular Ca²⁺. The loss of CD38 function is associated with impaired immune responses, metabolic disturbances, and behavioral modifications including social amnesia possibly related to autism. The CD38 protein is a marker of cell activation. It has been connected to HIV infection, leukemias, myelomas, solid tumors, type II diabetes mellitus and bone metabolism, as well as some genetically determined conditions.