

Mouse CD38, His Tag, CHO

Catalog Number	LDG018PMM
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Mouse

Expression system

CHO

Affinity Tag

His Tag (C-term)

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 30.61 kDa. The protein migrates as 36-42 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Mycoplasma

Not detected

Form

Lyophilized

Background

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Background

CD38, a transmembrane glycoprotein, is widely expressed on immune cells such as B cells, T cells, and natural killer cells, as well as non-immune cells like endothelial cells. It functions as a multifunctional enzyme with ADP-ribosyl cyclase activity, catalyzing the conversion of NAD⁺ to cyclic ADP-ribose and nicotinic acid adenine dinucleotide phosphate. CD38 regulates calcium signaling, cell adhesion, and differentiation, playing essential roles in immune responses and inflammation. Moreover, CD38 is also a therapeutic target in multiple myeloma, where its expression correlates with disease progression. Understanding CD38's diverse functions is crucial for developing targeted therapies in immunology and oncology.

Uniprot ID

P56528

Synonyms

2'-phospho-ADP-ribosyl cyclase, 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase, 2'-phospho-cyclic-ADP-ribose transferase, ADP-ribosyl cyclase 1 (ADPRC 1), Cyclic ADP-ribose hydrolase 1 (cADPR hydrolase 1), I-19, NIM-R5 antigen

Sequence Note

Leu45-Thr304

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.2 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

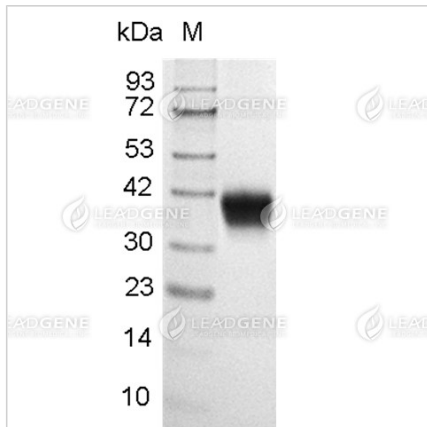
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



SDS-PAGE analysis of recombinant mouse CD38.

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