

A Reliable Research Partner in Life Science and Medicine

Recombinant CD38 Monoclonal Antibody

catalog number: AN300014P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human CD38 protein

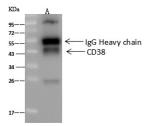
Host Rabbit Isotype lgG Clone A1124 **Purification** Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

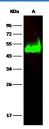
1:2000-1:10000 **WB** ΙP 1-5 µL/mg of lysate

Data



Immunoprecipitation analysis using 4µL anti-CD38 Protein A/G. Western blot was performed from the immunoprecipitate using CD38 Monoclonal Antibody at a dilution of 1:100.Lane A:0.5 mg Jurkat Whole Cell Lysate

> Observed-MW:45 kDa Calculated-MW:34 kDa



Western Blot with CD38 Monoclonal Antibody at dilution of Monoclonal Antibody and 60 µg of Immunomagnetic beads 1:1000. Lane A: Jurkat Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

> Observed-MW:45 kDa Calculated-MW:34 kDa

Preparation & Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of **Storage**

> activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

CD38, also known as ADP-ribosyl cyclase, is a Type II integral membrane protein. The enzyme is able to transform NAD(P)+ into three different products with calcium mobilizing ability, cyclic ADP-ribose, NAADP+, and ADP-ribose. CD38 is expressed in B and T lymphocytes, osteoclasts, and in cardiac, pancreatic, liver and kidney cells. Through its production of cyclic ADP-ribose, CD38 modulates calcium-mediated signal transduction in many types of cells, including neutrophils and pancreatic beta cells.

For Research Use Only

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