

Recombinant CD53 Monoclonal Antibody

catalog number: **AN300550P**

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

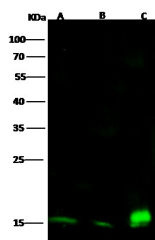
Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD53 Protein
Host	Rabbit
Isotype	IgG
Clone	4F12
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications Recommended Dilution

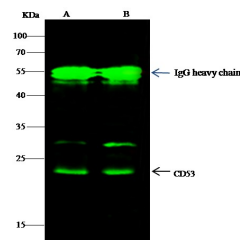
WB	1:500-1:2000
IP	0.5-2 µL/mg of lysate

Data



Western Blot with CD53 Monoclonal Antibody at dilution of 1:500. Lane A: Raji Whole Cell Lysate, Lane B: Jurkat Whole Cell Lysate, Lane C: 293T Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:15 kDa
Calculated-MW:24 kDa



Immunoprecipitation analysis using 2 µL anti-Mouse CD53 Monoclonal Antibody and 60 µg of Immunomagnetic beads

Protein G. Western blot was performed from the immunoprecipitate using CD53 Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg 293T Whole Cell Lysate, Lane B:0.5 mg Raji Whole Cell Lysate

Observed-MW:15 kDa
Calculated-MW:24 kDa

Preparation & Storage

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

CD53 is a member of the transmembrane 4 superfamily, also called the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. These proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD53 is a cell surface glycoprotein that is known to complex with integrins. Familial deficiency of CD53 gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. CD53 contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation.

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