Adenosine Deaminase Monoclonal Antibody

catalog number: AN200057P

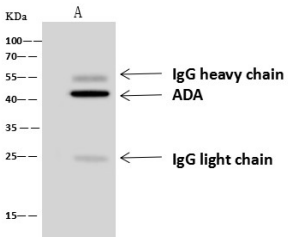
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human Adenosine Deaminase Protein
Host	Mouse
Isotype	IgG1
Clone	A905
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IP	1-5μL/mg of lysate

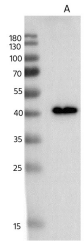
Data



Immunoprecipitation analysis using 4 μL anti-ADA mouse Monoclonal Antibody and 60 μg of Immunomagnetic beads Protein A/G. Western blot was performed from the immunoprecipitate using ADA mouse Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg Jurkat Whole Cell Lysate

Observed-MW:41 kDa

Calculated-MW:41 kDa



Western Blot with Adenosine Deaminase Monoclonal Antibody at dilution of 1:500. Lane A: Jurkat Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:41 kDa

Calculated-MW:41 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

Adenosine Deaminase (ADA, adenosine aminohydrolase) is one of the key enzymes of purine nucleotide catabolism. It catalyses the hydrolytic deamination of adenosine and deoxy-adenosine to inosine and deoxyinosine . ADA is expressed in virtually all tissues and is expressed at high levels in T-lymphocytes. Adenosine Deaminase deficiency can cause a form of SCID (severe combined immunodeficiency) and lymphopenia in both B- and T-cell lineages . ADA can be used as a sensitive diagnostic marker for tuberculous pleuritis . Although it is primarily a cytosolic enzyme, ADA is known to be a positive regulator of T-cell co-activation due to its binding to CD26 at the cell surface. The interaction of ADA with CD26 regulates lymphocyte-epithelial cell adhesion

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