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11-3029: Polyclonal Antibody to IMPDHII

Clonality: Polyclonal
Application: WB
Reactivity: Human
Gene: IMPDH2
Gene ID: 3615
Uniprot ID: P12268

Alternative Name : IMPDH2,IMPD2 Isotype : Rabbit IgG

Immunogen Information: A partial length recombinant IMPDHII protein (amino acids 48-351) was used as the immunogen

for this antibody.

Purified

Description

Format:

IMPDH2 (Human type II inosine monophosphate dehydrogenase) is a key enzyme in the purine nucleotide biosynthetic pathway and constitutes a pivotal biological target for immunosuppressant and antiviral drugs. The enzymatic reaction involves the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. It is increased more than 10-fold in activated peripheral blood T lymphocytes and is required for T cell activation. Type II isoform of the enzyme is selectively upregulated in neoplastic fast replicating lymphocytes and CML cancer cells. Thus, the IMPDH2 is an excellent target for antileukemic agent.

Product Info

Amount : 25 μg / 100 μg

Purification: Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml

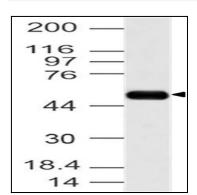


Fig-1: Western blot analysis of IMPDHII. Anti- IMPDHII antibody (11-3029) was used at 2 μ g/ml on K562 lysate.