



A Reliable Research Partner in Life Science and Medicine

IL-32 alpha/IL32A Monoclonal Antibody

catalog number: AN200201P

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

Description

Reactivity Human

Immunogen Recombinant Human IL-32 alpha/IL32A Protein

 Host
 Mouse

 Isotype
 IgG2a

 Clone
 A1053

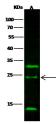
 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB 1:500-1:1000

Data



Western Blot with IL32A Monoclonal Antibody at dilution of

1:500 dilution. Lane A: Jurkat Whole Cell Lysate,

Lysates/proteins at 30 µg per lane.

Observed-MW:30 kDa Calculated-MW:26 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

IL-32 is a recently discovered cytokine that induces various proinflammatory cytokines (TNF-alpha, IL-1beta, IL-6) and chemokines in both human and mouse cells through the NF-kappaB and p38 MAPK inflammatory signal pathways. It is regulated robustly by other major proinflammatory cytokines and is crucial to inflammation and immune response s. Four of the IL-32 isoforms (alpha, beta, gamma, and delta) are the most representative IL-32 transcripts, and the gamma isoform of IL-32 is the most active, although all isoforms are biologically active. IL-32, a cytokine produced mainly by T, natural killer, and epithelial cells induces significant amounts of TNFalpha and MIP-2 and increases the production of both cytokines in a dose-dependent manner. IL-32 has been implicated in inflammatory disorders, Mycobacterium tuberculosis infections, inflammatory bowel disease, and influenza A virus infection, as well as in some autoimmune diseases, such as rheumatoid arthritis, ulcerative colitis, and in the human stomach cancer, human lung cancer, and breast cancer tissues. Thus, IL-32 expression might be valuable as a biomarker for cancer.

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