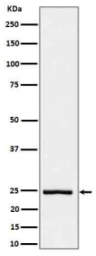
IL26 Antibody / Interleukin 26 [clone 31I11] (FY12058)

Catalog No.	Formulation	Size
FY12058	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Human
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	31I11
Purity	Affinity-chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	Q9NPH9
Applications	Western blot: 1:500-1:2000
Limitations	This IL26 antibody is available for research use only.



Western blot analysis of IL26 in His-tagged IL26 transfected cell lysate using IL26 antibody.

Description

IL26 antibody detects interleukin 26, a cytokine belonging to the IL-10 family that regulates immune cell communication. IL26 is secreted by activated T cells and natural killer cells, exerting its effects through a receptor complex composed of IL20RA and IL10RB subunits. This cytokine signals via STAT pathways to stimulate production of proinflammatory

mediators, particularly in epithelial and immune cell populations.

Research using IL26 antibody has shown that IL26 plays a role in antimicrobial defense and inflammation. IL26 can directly bind extracellular DNA released from damaged cells or pathogens, forming complexes that amplify innate immune responses. In addition, IL26 has antimicrobial properties, acting as a cationic protein capable of disrupting bacterial membranes. Its dual role as both a cytokine and antimicrobial factor distinguishes IL26 from many other immune regulators.

Aberrant expression of IL26 has been linked to chronic inflammatory diseases including rheumatoid arthritis, psoriasis, and inflammatory bowel disease. Elevated IL26 contributes to tissue damage by enhancing neutrophil and macrophage activity, while also promoting Th17-mediated inflammation. Conversely, IL26 signaling may support protective immunity against bacterial and viral infections, suggesting context-dependent effects.

Antibodies against IL26 are validated for assays such as western blot, ELISA, immunohistochemistry, and flow cytometry. These reagents allow researchers to monitor cytokine levels in serum or tissues and to analyze IL26 production by immune subsets. In clinical research, IL26 detection supports biomarker studies investigating disease activity or therapeutic response. Clone-based IL26 antibodies provide specificity that is crucial when distinguishing among closely related IL-10 family cytokines.

NSJ Bioreagents supplies this IL26 antibody to facilitate studies in immunology, infection biology, and inflammatory disease research.

Application Notes

Optimal dilution of the IL26 antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human IL26 was used as the immunogen for the IL26 antibody.

Storage

Store the IL26 antibody at -20oC.

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