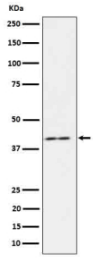
IL18BP Antibody / IL18 binding protein [clone 31I00] (FY12719)

Catalog No.	Formulation	Size
FY12719	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, Rat
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	31I00
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	O95998
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry : 1:50-1:200
Limitations	This IL18BP antibody is available for research use only.



Western blot analysis of IL18 binding protein in human HeLa cell lysate using IL18BP antibody. Expected molecular weight: ~21 kDa unmodified and up to ~45 kDa glycosylated.

Description

IL18BP antibody detects interleukin 18 binding protein, encoded by the IL18BP gene. This secreted glycoprotein functions as a natural inhibitor of interleukin 18, a proinflammatory cytokine. Alternate names include IL18BPa, IL18BPb,

and IL18BPc, reflecting the multiple isoforms generated by alternative splicing. IL18BP neutralizes IL18 by binding with high affinity, preventing its interaction with the IL18 receptor and subsequent activation of NF kappa B and interferon gamma pathways.

IL18BP antibody is widely applied in immunology, inflammation research, and translational medicine. By detecting IL18BP, researchers can investigate how immune regulation balances inflammatory cytokine activity. Overexpression of IL18BP provides protection from excessive inflammation, while deficiency or altered expression contributes to autoimmune disorders and infectious disease susceptibility.

ELISA detects IL18BP in serum and culture supernatants, while western blotting identifies isoform expression. Immunohistochemistry maps IL18BP production in tissues undergoing immune activation. These methods make IL18BP antibody useful for evaluating cytokine regulation in health and disease.

IL18BP has therapeutic potential as a biologic agent. Recombinant IL18BP has been developed to treat inflammatory diseases such as adult onset Still disease and hemophagocytic lymphohistiocytosis. By applying IL18BP antibody, researchers can monitor therapeutic levels and investigate how modulation of IL18 signaling influences disease outcomes.

IL18BP antibody from NSJ Bioreagents delivers dependable specificity for analyzing interleukin 18 binding protein. Its reliable performance across assays ensures accurate detection of this immune regulator.

Application Notes

Optimal dilution of the IL18BP antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human IL18 binding protein was used as the immunogen for the IL18BP antibody.

Storage

Store the IL18BP antibody at -20oC.

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