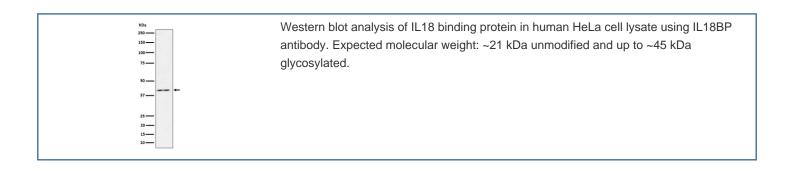


IL18BP Antibody / IL18 binding protein [clone 31I00] (FY12719)

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	
Clonality	Recombinant Rabbit Monoclonal	
Isotype	Rabbit IgG	
Clone Name	31100	
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	Vestern Blot : 1:500-1:2000 mmunohistochemistry : 1:50-1:200	
Limitations	This IL18BP antibody is available for research use only.	



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 lymphohisticcytosis. 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.