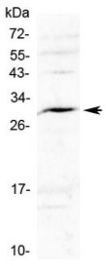
Interleukin 17F Antibody / IL-17F (R32919)

Catalog No.	Formulation	Size
R32919	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q5BJ95
Applications	Western Blot: 0.5-1ug/ml Direct ELISA (recombinant rat protein): 0.1-0.5ug/ml (BSA-free format available)
Limitations	This Interleukin 17F antibody is available for research use only.



Interleukin 17F Antibody Rat Spleen WB. Western blot analysis of rat spleen lysate using Interleukin 17F Antibody / IL-17F at 0.5 ug/ml. An HRP-conjugated secondary antibody with ECL substrate was used for detection. Interleukin 17F Antibody detects a prominent band at approximately 30 kDa, consistent with the IL-17F homodimer, while the expected monomeric forms migrate at approximately 15-20 kDa.

Description

Interleukin 17F Antibody recognizes IL-17F, a member of the IL-17 cytokine family that contributes to innate and adaptive immune responses by promoting inflammatory signaling at epithelial and mucosal surfaces. Produced primarily by T helper 17 (Th17) cells, IL-17F is also expressed by gamma delta T cells, innate lymphoid cells, mast cells, and other activated immune cell populations. Following secretion, IL-17F binds the IL17RA/IL17RC receptor complex to activate NF-kappaB and MAPK signaling pathways, stimulating production of cytokines, chemokines, and antimicrobial peptides that recruit neutrophils and strengthen host defense against extracellular bacterial and fungal pathogens.

Although structurally related to IL-17A, IL-17F displays unique biological activity and can function as either a homodimer or an IL-17A/IL-17F heterodimer. Dysregulated IL-17F expression has been associated with numerous chronic inflammatory disorders, including psoriasis, rheumatoid arthritis, inflammatory bowel disease, asthma, and chronic obstructive pulmonary disease. Because of its important role in sustaining inflammatory responses, Interleukin 17F Antibody is widely used to investigate cytokine biology, immune regulation, and mechanisms underlying autoimmune disease.

IL-17F also contributes to communication between immune cells and the tissue microenvironment. Depending on the biological context, IL-17F can influence angiogenesis, extracellular matrix remodeling, and recruitment of inflammatory cells within tumors and sites of chronic inflammation. These diverse activities have generated increasing interest in IL-17F as both a disease biomarker and a potential therapeutic target. Consequently, Interleukin 17F Antibody has become an important research tool for studies of inflammation, mucosal immunity, infectious disease, and cancer biology.

This Interleukin 17F Antibody has been validated for Western blot analysis, detecting IL-17F in human, mouse, and rat samples.

Learn more about our IL-17F Antibody, a validated Pro-Inflammatory Cytokine Antibody for investigating Th17 signaling, inflammatory responses, and immune regulation.

Application Notes

Optimal dilution of the Interleukin 17F antibody should be determined by the researcher.

Immunogen

A recombinant rat protein corresponding to amino acids R29-A161 was used as the immunogen for the Interleukin 17F antibody.

Storage

After reconstitution, the Interleukin 17F antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

IL17F Antibody, IL-17F Antibody, IL17 Family Cytokine Antibody, Th17 Cytokine Antibody, CTLA8 Antibody, CANDF6 Antibody

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