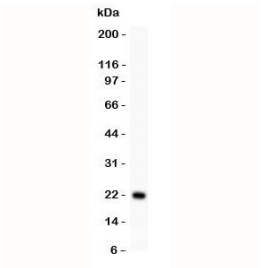
IL18 Antibody (R31658)

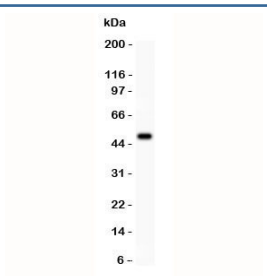
Catalog No.	Formulation	Size
R31658	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
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 and 0.025% sodium azide
Gene ID	16173
Applications	Western Blot : 0.5-1ug/ml
Limitations	This IL18 antibody is available for research use only.



Western blot testing of IL18 antibody and recombinant mouse protein (0.5ng)



Western blot testing of IL18 antibody and NIH3T3 lysate; Predicted size: 17-24KD; Observed size: 50KD

Description

Interleukin-18, also known as IL18, is a protein which in humans is encoded by the IL18 gene. IL-18 is a cytokine produced by macrophages and other cells that belongs to the IL-1 superfamily. It is mapped to 11q22.2-q22.3. IL-18 works by binding to the interleukin-18 receptor, and together with IL-12, it induces cell-mediated immunity following infection with microbial products like lipopolysaccharide (LPS). After stimulation with IL-18, natural killer (NK) cells and certain T cells release another important cytokine called interferon-gamma (IFN-g) or type II interferon that plays an important role in activating the macrophages or other cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production in B cells.

For an IL-18 monoclonal with complementary Western blot, IHC, and protein microarray validation, see our IL-18 Antibody IL18/4626 / IL18 Monoclonal Antibody page.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL18 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Mouse partial recombinant protein (AA 36-192) was used as the immunogen for this IL18 antibody.

Storage

After reconstitution, the IL18 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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