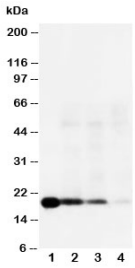
IL-18 Antibody (R30408)

Catalog No.	Formulation	Size
R30408	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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/thimerosal
UniProt	Q14116
Applications	Western blot: 0.5-1ug/ml
Limitations	This IL-18 antibody is available for research use only.



Western blot testing of IL-18 antibody and Lane 1: Recombinant human IL-18 protein 10ng; 2: 5ng; 3: 2.5ng; 4: Raji; Predicted molecular weight: 17~24 kDa

Description

Interleukin-18 also known as IL18 is a protein which in humans is encoded by the IL18 gene. The protein encoded by this gene is a proinflammatory cytokine.IL-18 is a cytokine produced by macrophages and other cells that belongs to the IL-1 superfamily. 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-gamma) 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. IL-18

binding protein(IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity. The human interleukin 18 gene IL18 maps to 11q22.2-q22.3, closely linked to the DRD2 gene locus and distinct from mapped IDDM loci.

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 IL-18 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of Human IL18 (KKEDELGDRSIMFTVQNED) was used as the immunogen for this IL-18 antibody.

Storage

After reconstitution, the IL-18 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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