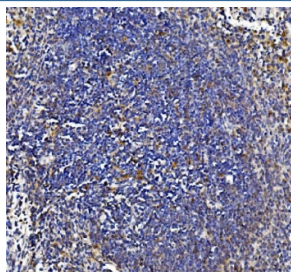


IL18 Antibody (R30119)

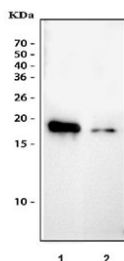
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| R30119 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Mouse |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose |
| UniProt | P70380 |
| Localization | Cytoplasmic, cell membrane, secreted |
| Applications | Western Blot : 0.5-1ug/ml (mouse protein tested) Immunohistochemistry (FFPE) : 2-5ug/ml ELISA : 0.1-0.5ug/ml (mouse protein tested) |
| Limitations | This IL18 antibody is available for research use only. |



IHC testing of FFPE mouse spleen tissue with IL18 antibody at 2ug/ml. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to staining.



Western blot testing of 1) recombinant mouse IL18 protein and 2) mouse J774A.1 cell lysate with IL18 antibody. Expected 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.

Application Notes

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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.