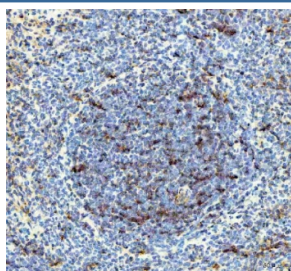


## IL-18 Antibody (R31447)

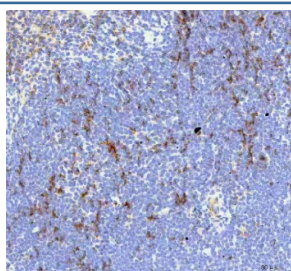
Catalog No.	Formulation	Size
R31447	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

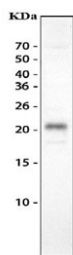
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Rat, Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.005% sodium azide
<b>Gene ID</b>	29197
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Immunohistochemistry (FFPE) : 2-5ug/ml
<b>Limitations</b>	This IL-18 antibody is available for research use only.



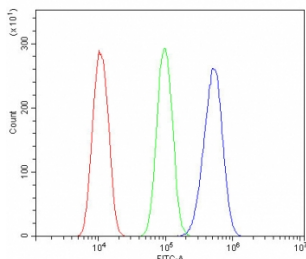
IHC staining of FFPE rat spleen tissue with IL-18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse spleen tissue with IL-18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of mouse spleen tissue lysate with IL-18 antibody. Predicted molecular weight: 17~24 kDa.



Flow cytometry testing of fixed and permeabilized mouse HEPA1-6 cells with IL-18 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IL-18 antibody.

## Description

Interleukin-18, also called Interferon-gamma-inducing factor (IGIF), augments natural killer (NK) activity in spleen cells. The gene encodes a precursor protein of 192 amino acids and a mature protein of 157 amino acids. IL-18 is a cytokine that modulates both T helper type 1 (Th1) and Th2 responses. It is a potent proinflammatory cytokine with potential atherogenic properties. It is highly expressed in the atherosclerotic plaques compared with control normal arteries and is localized mainly in plaque macrophages.

## 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

Rat partial recombinant protein (AA 37-194) 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.