

## 39-2159: Anti-IL18 Polyclonal Antibody

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Rat
<b>Gene :</b>	Il18
<b>Gene ID :</b>	29197
<b>Uniprot ID :</b>	P97636
<b>Alternative Name :</b>	Interleukin-18; IL-18; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; Il18; Igif
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	E.coli-derived rat IL18 recombinant protein (Position: H37-S194). Rat IL18 shares 64% and 91% amino acid (aa) sequence identity with human and mouse IL18, respectively.

### Description

Interleukin (IL)-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. IL18 is a recently discovered cytokine that modulates both T helper type 1 (Th1) and Th2 responses. IL18 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.

### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Immunogen affinity purified.
<b>Content :</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 0.1-0.5 µg/ml



Figure 1: Anti-IL-18 antibody(39-2159). Lanes: Anti-IL-18(39-2159) at 0.5ug/ml. Lane 1: Rat Spleen Tissue Lysate at 40ug, Lane 2: Rat Thymus Tissue Lysate at 40ug, Lane 3: PC12 Whole Cell Lysate at 40ug. Predicted band size: 22 kDa. Observed band size: 22 kDa.