

# Rabbit anti-Human IL-18 mAb(DET)

**Catalog No.:** RMK0032

## Basic Information

**Catalog No.**  
RMK0032

**Category**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification

**Endotoxin Level**

**Storage**  
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2µm filtered solution in PBS with 0.1% BSA, pH 7.4.

## Contact

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## Background

Interleukin-18 (IL-18) is a proinflammatory cytokine in the IL-1 family that exerts distinct immune effects depending on the local cytokine environment. It is expressed as a 24 kDa precursor by endothelial and epithelial cells, keratinocytes, gamma δT cells, and phagocytes. The precursor is activated intracellularly by Caspase-1 mediated proteolysis to release the 17 kDa mature cytokine. The precursor can also be released by necrotic cells for extracellular cleavage by multiple proteases. IL-18 activation is induced by infection or tissue damage and contributes to disease pathology in chronic inflammation (1-3). IL-18 binds to the widely expressed IL-18 R alpha which recruits IL-18 R beta to form the signaling receptor complex (4, 5). Its bioactivity is negatively regulated by interactions with IL-18 binding proteins and virally encoded IL-18BP homologs (6). In the presence of IL-12 or IL-15, IL-18 enhances anti-viral Th1 immune responses by inducing IFN-gamma production and the cytolytic activity of CD8+ T cells and NK cells (7, 8)....

## Immunogen Information

**Immunogen**  
Recombinant Human IL-18

## Cross-Reactivity

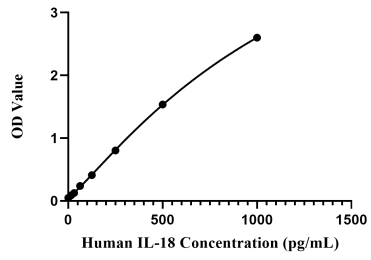
## Assay Applications

Human IL-18 Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4µg/mL	Rabbit anti-Human IL-18 (CAP)(Cat. No.RMK0031)
ELISA Detection	0.08-0.33µg/mL	Rabbit anti-Human IL-18 (DET)(Cat. No.RMK0032)
Standard	15.6-1000pg/mL	Recombinant Human IL-18 Protein

## Validation Data

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This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.