

Rat IL-18 ELISA Kit | IL18 elisa kit

Rat IL-18 PicoKine ELISA Kit

CATALOG #
AAA45226

REACTIVITY
Rat

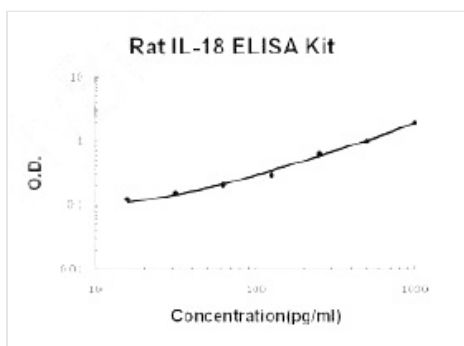
PRODUCT SYNONYMS

IL-18; Rat IL-18 PicoKine ELISA Kit; Interleukin-18; interleukin 18; Ibctadekin; IFN gamma inducing factor; IFN-gamma-inducing factor; IGIF; IL 1 gamma; IL 18; IL 1g; IL-1 gamma; IL1 gamma; IL18; IL18 protein; IL18_HUMAN; IL1F4; IL1g; IL1gamma; IL1F4; Interferon gamma inducing factor; Interferon gamma-inducing factor; Interleukin 1 gamma; Interleukin 18; Interleukin-1 gamma; Interleukin18; MGC12320; IL18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat IL-18
Sequence Length	194
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL18 elisa kit	Principle of the Assay: Rat IL-18 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A polyclonal antibody from goat specific for IL-18 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: H37-S194) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-18 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin- Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat IL-18 amount of sample captured in plate. Background: 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.¹ IL-18 is a recently discovered cytokine that modulates both T helper type 1(Th1) and Th2 responses.² IL-18 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.³
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3219808
NCBI GeneID	29197
UniProt Accession #	P97636; O88749; P97637; Q541E6
Molecular Weight	20,056 Da
NCBI Official Full Name	Interleukin-18
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IL-18
NCBI Protein Information	interleukin-18; IL-1 gamma; interleukin-1 gamma; IFN-gamma-inducing factor; interferon gamma-inducing factor; interferon-gamma-inducing factor
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	Igif; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/il18-rat-elisa-kits/il-18/45226>