

Mouse IL-18 ELISA Kit | IL-18 elisa kit

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CATALOG #
AAA258471

REACTIVITY
Mouse

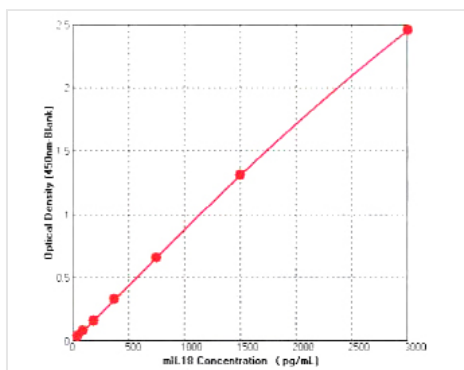
PRODUCT SYNONYMS

IL-18; Mouse IL-18 ELISA Kit; IL-18 ELISA Kit; Mouse; interleukin 18; Igif ELISA Kit; IL-18 ELISA Kit; IL-18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes both recombinant and natural Mouse IL18. The factors listed below were prepared at 50 ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.
Assay Type	Sandwich
Samples	Serum
Detection Range	46.88-3000pg/mL
Sensitivity	2.79 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) - Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays) - Three samples of known concentration were tested in three separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-18 elisa kit	Principle of the Assay: The principle of this ELISA kit is based on the Sandwich Enzyme-Linked Immunosorbent Assay (ELISA). The 96-well strip plate is precoated with a monoclonal antibody specific for Mouse IL-18. Standards and Mouse IL-18 present in the sample is bound by the immobilized antibody. After washing, a horseradish peroxidase conjugated anti-Mouse IL-18 antibody is added, producing an antibody-antigen-antibody "sandwich complex". Following a wash to remove any unbound antibody-enzyme reagent, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Mouse IL-18 bound in the initial step. The color development is stopped and the intensity of the color is measured at 450 nm. Intended Uses: The kit applies for the accurate quantitation of Mouse IL-18 from serum. The other biological fluids need to be validated by the end user due to the complexity of natural targets and unpredictable interference.
References	Dinarello CA. (1999) IL-18: A TH1-inducing, proinflammatory cytokine and new member of the IL-1 family. J Allergy Clin Immunol. 103: 11-24. Takeda K, et al.. (1998) Defective NK cell activity and Th1 response in IL-18-deficient mice. Immunity. 8(3): 383-90. Gracie JA, et al.. (1999) A proinflammatory role for IL-18 in rheumatoid arthritis. J Clin Invest. 104(10): 1393-401.

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/mouse-elisa-kits/il-18/258471>