

Sheep Interleukin 18 ELISA Kit | IL18 elisa kit

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CATALOG #
AAA89411

REACTIVITY
Sheep

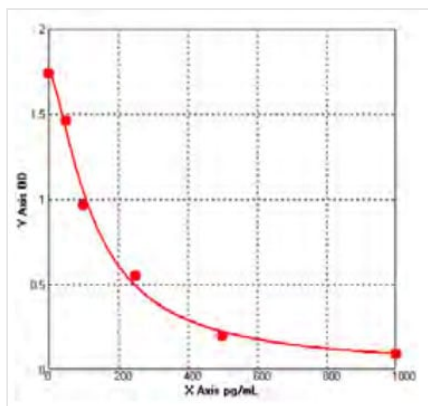
PRODUCT SYNONYMS

Interleukin 18; Sheep Interleukin 18 ELISA Kit; IL18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-18. No significant cross-reactivity or interference between IL-18 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-18 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This IL-18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IL-18. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL18 elisa kit	Principle of the Assay: IL-18 ELISA kit IL-18lies the competitive enzyme immunoassay technique utilizing an anti-IL-18 antibody and an IL-18-HRP conjugate. The assay sample and buffer are incubated together with IL-18-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-18 concentration since IL-18 from samples and IL-18-HRP conjugate compete for the anti-IL-18 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-18 from the sample, fewer sites are left to bind IL-18-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-18 concentration in each sample is interpolated from this standard curve. Intended Uses: This IL-18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IL-18. This ELISA kit for research use only, not for therapeutic or test IL-18lications!
Product Categories/Family for IL18 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506805
NCBI GeneID	29197
NCBI Accession #	NP_062038.1
NCBI GenBank Nucleotide #	NM_019165.1
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.