

Sheep Interleukin 1beta ELISA Kit | IL-1beta elisa kit

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CATALOG #
AAA88473

REACTIVITY
Sheep

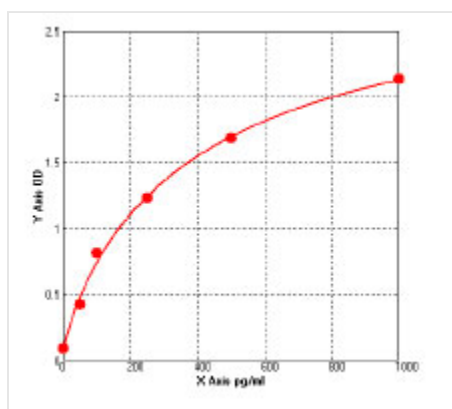
PRODUCT SYNONYMS

Interleukin 1beta; Sheep Interleukin 1beta ELISA Kit; Sheep Interleukin 1b ELISA Kit; IL-1beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-1beta elisa kit

Intended Uses: This IL-1beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IL-1beta. This ELISA kit for research use only!

Principle of the Assay: IL-1beta ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-1beta antibody and an IL-1beta-HRP conjugate. The assay sample and buffer are incubated together with IL-1beta-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-1beta concentration since IL-1beta from samples and IL-1beta-HRP conjugate compete for the anti-IL-1beta antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-1beta from the sample, fewer sites are left to bind IL-1beta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-1beta concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IL-1beta elisa kit	Immunology
References	Extracorporeal Gas Exchange and Spontaneous Breathing for the Treatment of ARDS. Langer T, Vecchi V, Belenkiy SM, Cannon JW, Chung KK, Cancio LC, Gattinoni L, Batchinsky AI. (2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567.1
NCBI GenBank Nucleotide #	NM_000576.2
Molecular Weight	30,748 Da
NCBI Official Full Name	interleukin-1 beta proprotein
NCBI Official Synonym Full Names	interleukin 1, beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL-1; IL1F2; IL1-BETA
NCBI Protein Information	interleukin-1 beta; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL1F2; IL-1 beta
UniProt Entry Name	IL1B_HUMAN

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.