

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

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CATALOG #
AAA89167

REACTIVITY
Chicken

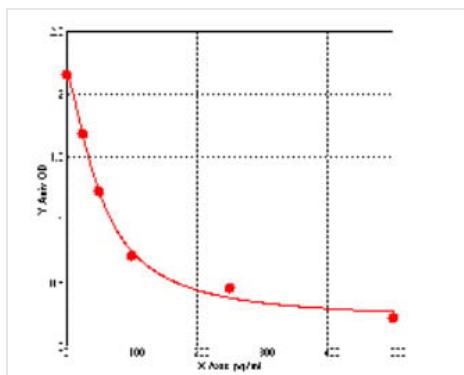
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-1beta. No significant cross-reactivity or interference between IL-1beta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-1beta 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-1beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken IL-1beta. 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 IL-1beta elisa kit	Principle of the Assay: IL-1beta ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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. Intended Uses: This IL-1beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken IL-1beta. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for IL-1beta elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567.1
NCBI GenBank Nucleotide #	NM_000576.2
UniProt Accession #	P01584; Q53X59; Q53XX2; Q7M4S7; Q7RU01; Q96HE5; Q9UCT6; O43645
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.