

Chicken Interleukin 16 ELISA Kit | IL-16 elisa kit

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CATALOG #
AAA91651

REACTIVITY
Chicken

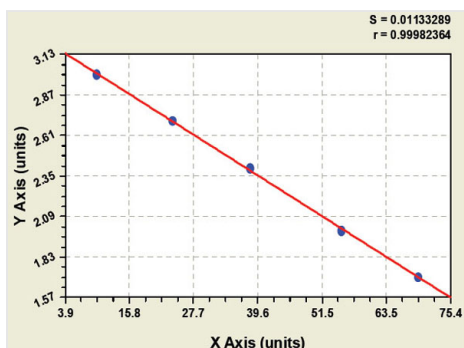
PRODUCT SYNONYMS

Interleukin 16; Chicken Interleukin 16 ELISA Kit; IL-16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This IL-16 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken IL-16. 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-16 elisa kit

Principle of the Assay: IL-16 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-16 antibody and an IL-16-HRP conjugate. The assay sample and buffer are incubated together with IL-16-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-16 concentration since IL-16 from samples and IL-16-HRP conjugate compete for the anti-IL-16 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-16 from the sample, fewer sites are left to bind IL-16-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-16 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IL-16 elisa kit

[Immunology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	116283877
NCBI GeneID	3603
UniProt Accession #	Q05BE6; Q14005; Q53HR8; Q68DS9; Q6ZTT5; Q8IUU6; Q9UME6
Molecular Weight	61,007 Da
NCBI Official Full Name	IL16 protein
NCBI Official Synonym Full Names	interleukin 16
NCBI Official Symbol	IL16
NCBI Official Synonym Symbols	LCF; NIL16; PRIL16; prIL-16
NCBI Protein Information	pro-interleukin-16; prointerleukin 16; neuronal interleukin 16; lymphocyte chemoattractant factor
UniProt Protein Name	IL16 protein
UniProt Gene Name	IL16
UniProt Entry Name	Q05BE6_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.

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Online datasheet: <https://stage.aaabiotech.com/il-16-chicken-elisa-kits/interleukin-16/91651>