Guinea Pig Interleukin 5 ELISA Kit | IL-5 elisa kit

Guinea pig Interleukin 5 ELISA Kit

CATALOG #	REACTIVITY
AAA82546	**Guinea Pig**

PRODUCT SYNONYMS

Interleukin 5; Guinea pig Interleukin 5 ELISA Kit; IL-5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-5 elisa kit	Intended Uses: This IL-5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig IL-5. This ELISA kit for research use only! Principle of the Assay: IL-5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-5 antibody and an IL-5-HRP conjugate. The assay sample and buffer are incubated together with IL-5-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-5 concentration since IL-5 from samples and IL-5-HRP conjugate compete for the anti-IL-5 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-5 from the sample, fewer sites are left to bind IL-5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IL-5 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	54019426

NCBI GeneID	24497
NCBI Accession #	NP_068606.1
NCBI GenBank Nucleotide #	NM_021834.1
Molecular Weight	15,207 Da
NCBI Official Full Name	interleukin-5
NCBI Official Synonym Full Names	interleukin 5
NCBI Official Symbol	Il5
NCBI Protein Information	interleukin-5; TRF; IL-5; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor; Interleukin 5 (colony-stimulating factor eosinophil); Interleukin 5 (colony-stimulating factor, eosinophil)
UniProt Protein Name	Interleukin-5
UniProt Gene Name	**Il5**
UniProt Synonym Gene Names	Il-5; IL-5; BCGF-II; TRF
UniProt Entry Name	IL5_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.

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Online datasheet: https://stage.aaabiotech.com/il-5-guinea-pig-pig-elisa-kits/interleukin-5/82546