

Goat Interleukin 4 ELISA Kit | IL4 elisa kit

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CATALOG #
AAA89074

REACTIVITY
Goat

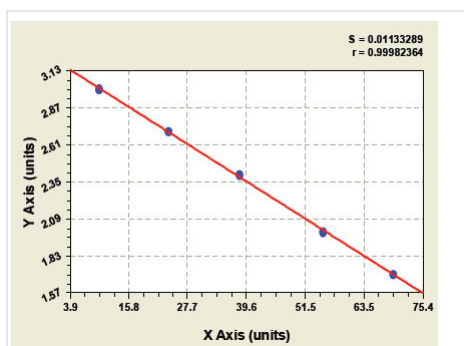
PRODUCT SYNONYMS

Interleukin 4; Goat Interleukin 4 ELISA Kit; IL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This IL-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat IL-4. 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 IL4 elisa kit

Principle of the Assay: IL-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-4 antibody and an IL-4-HRP conjugate. The assay sample and buffer are incubated together with IL-4-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-4 concentration since IL-4 from samples and IL-4-HRP conjugate compete for the anti-IL-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-4 from the sample, fewer sites are left to bind IL-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IL4 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	55742622
NCBI GeneID	397225
NCBI Accession #	NP_999288.1
NCBI GenBank Nucleotide #	NM_214123.1
Molecular Weight	15,023 Da
NCBI Official Full Name	interleukin-4
NCBI Official Symbol	IL4
NCBI Protein Information	interleukin-4; IL-4; BSF-1; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1
UniProt Protein Name	Interleukin-4
UniProt Gene Name	IL4
UniProt Synonym Gene Names	IL-4; BSF-1
UniProt Entry Name	IL4_PIG

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/il4-goat-elisa-kits/interleukin-4/89074>