

Monkey Interleukin-4 receptor subunit alpha (IL4R) ELISA Kit | IL4R elisa kit

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CATALOG #
AAA245658

REACTIVITY
Monkey

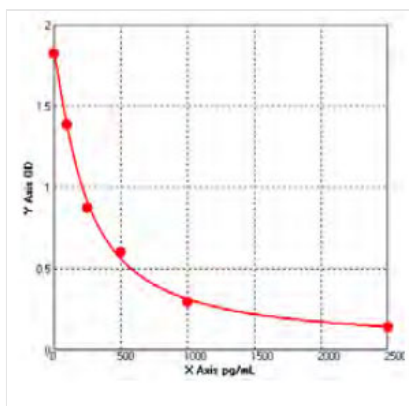
PRODUCT SYNONYMS

Interleukin-4 receptor subunit alpha (IL4R); Monkey Interleukin-4 receptor subunit alpha (IL4R) ELISA Kit; IL4R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-4Ralpha. No significant cross-reactivity or interference between IL-4Ralpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-4Ralpha and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 IL4R elisa kit	Intended Uses: This IL-4Ralpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey IL-4Ralpha. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: IL-4Ralpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-4Ralpha antibody and an IL-4Ralpha-HRP conjugate. The assay sample and buffer are incubated together with IL-4Ralpha-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-4Ralpha concentration since IL-4Ralpha from samples and IL-4Ralpha-HRP conjugate compete for the anti-IL-4Ralpha antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-4Ralpha from the sample, fewer sites are left to bind IL-4Ralpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-4Ralpha concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IL4R elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557669
NCBI GeneID	3566
NCBI Accession #	NP_000409.1
NCBI GenBank Nucleotide #	NM_000418.3
Molecular Weight	88,267 Da
NCBI Official Full Name	interleukin-4 receptor subunit alpha isoform a
NCBI Official Synonym Full Names	interleukin 4 receptor
NCBI Official Symbol	IL4R
NCBI Official Synonym Symbols	CD124; IL4RA; IL-4RA
NCBI Protein Information	interleukin-4 receptor subunit alpha; IL4R nirs variant 1; IL-4 receptor subunit alpha; interleukin-4 receptor alpha chain
UniProt Protein Name	Interleukin-4 receptor subunit alpha
UniProt Gene Name	IL4R
UniProt Synonym Gene Names	IL4RA; 582J2.1; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha; IL-4RA; Soluble IL-4 receptor subunit alpha; Soluble IL-4R-alpha; sIL4Ralpha/prot; IL4-BP
UniProt Entry Name	IL4RA_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/monkey-elisa-kits/interleukin-4-receptor-subunit-alpha-il4r/245658>