

Rat Interleukin 1 receptor antagonist ELISA Kit | IL-1ra/CD121 elisa kit

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CATALOG #
AAA86316

REACTIVITY
Rat

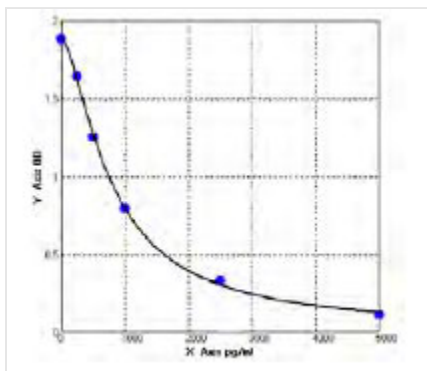
PRODUCT SYNONYMS

Interleukin 1 receptor antagonist; Rat Interleukin 1 receptor antagonist ELISA Kit; Interleukin 1 receptor antagonist (Rat); IL-1ra/CD121 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-1RA. No significant cross-reactivity or interference between IL-1RA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-1RA 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 IL-1ra/CD121 elisa kit	Intended Uses: This IL-1RA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IL-1RA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: IL-1RA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-1RA antibody and an IL-1RA-HRP conjugate. The assay sample and buffer are incubated together with IL-1RA-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-1RA concentration since IL-1RA from samples and IL-1RA-HRP conjugate compete for the anti-IL-1RA antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-1RA from the sample, fewer sites are left to bind IL-1RA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-1RA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IL-1ra/CD121 elisa kit	Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	124308
NCBI GeneID	3554
UniProt Accession #	P14778; Q58717
Molecular Weight	65,402 Da
NCBI Official Full Name	Interleukin-1 receptor type 1
NCBI Official Synonym Full Names	interleukin 1 receptor, type I
NCBI Official Symbol	IL1R1
NCBI Official Synonym Symbols	P80; IL1R; IL1RA; CD121A; D2S1473; IL-1R-alpha
NCBI Protein Information	interleukin-1 receptor type 1; IL-1R-1; IL-1RT1; IL-1RT-1; antigen CD121a; interleukin receptor 1; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin 1 receptor alpha, type I
UniProt Protein Name	Interleukin-1 receptor type 1
UniProt Gene Name	IL1R1
UniProt Synonym Gene Names	IL1R; IL1RA; IL1RT1; IL-1R-1; IL-1RT-1; IL-1RT1; IL-1R-alpha; mLIL-1R1; mIL-1RI; sIL-1R1; sIL-1RI
UniProt Entry Name	IL1R1_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.