

Rat Interleukin 1 Receptor Type I (IL1R1) ELISA Kit | IL1R1 elisa kit

Rat Interleukin 1 Receptor Type I (IL1R1)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189466	REACTIVITY Rat	APPLICATIONS ELISA
-------------------------------	--------------------------	------------------------------

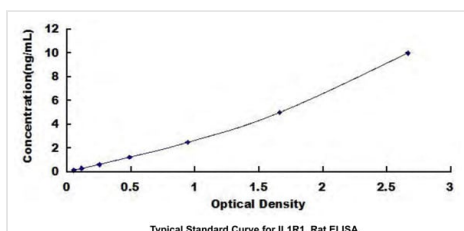
PRODUCT SYNONYMS

Interleukin 1 Receptor Type I (IL1R1); Rat Interleukin 1 Receptor Type I (IL1R1)(Sandwich ELISA) ELISA Kit; ELISA Kit for Interleukin 1 Receptor Type I (IL1R1); IL1R1/Interleukin 1 Receptor Type I; CD121a; CD121-A; IL1-R1; IL1R; IL1RA; P80; CD121 Antigen-Like Family Member A; Interleukin-1 Receptor Alpha; IL1R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IL1R1. No significant cross-reactivity or interference between IL1R1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.060ng/mL
Applicable Applications for IL1R1 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL1R1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL1R1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL1R1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL1R1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL1R1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL1R1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of IL1R1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL1R1 in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for IL1R1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	400047
NCBI GeneID	25663
UniProt Accession #	Q02955
Molecular Weight	66,759 Da
NCBI Official Full Name	Interleukin-1 receptor type 1
NCBI Official Synonym Full Names	interleukin 1 receptor type 1
NCBI Official Symbol	Il1r1
NCBI Protein Information	interleukin-1 receptor type 1
UniProt Protein Name	Interleukin-1 receptor type 1
UniProt Gene Name	Il1r1
UniProt Synonym Gene Names	Il1ra; IL-1R-1; IL-1RT-1; IL-1RT1; IL-1R-alpha; mIL-1R1; mIL-1RI; sIL-1R1; sIL-1RI

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/rat-elisa-kits/interleukin-1-receptor-type-i-il1r1/189466>