Mouse IL1R1/IL-1R1/IL-1 RI ELISA Kit | IL1R1/IL-1R1/IL-1RI elisa kit

Mouse IL1R1/IL-1R1/IL-1 RI ELISA Kit

CATALOG #	REACTIVITY
AAA258490	**Mouse**

PRODUCT SYNONYMS

IL1R1/IL-1R1/IL-1 RI; Mouse IL1R1/IL-1R1/IL-1 RI ELISA Kit; IL1R1 ELISA Kit; Mouse; interleukin 1 receptor; type I; CD121a ELISA Kit; CD121b ELISA Kit; IL-1R1 ELISA Kit; IL-iR ELISA Kit; Il1r-1 ELISA Kit; IL1R1/IL-1R1/IL-1RI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	For the quantitative determination of Mouse IL1R1/IL-1R1/IL-1 RI concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	62.5-4000pg/mL
Sensitivity	17.67pg/mL
Conjugation	HRP
Interference	Preparations of the Human IL1R1, IL1beta and Mouse IL1R2 at 50ng/mL in a mid-range recombinant Mouse IL1R1 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Application Data
This assay recognizes both recombinant and natural Mouse IL1R1. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Cross-reactivity was observed to be 21% with 5000 pg/mL of recombinant rat IL1R1.

Standard Curve (Sample)
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for IL1R1/IL-1R1/IL-1RI elisa kit	This IL1R1 ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse IL1R1 protein in Serum. It contains recombinant Mouse IL1R1, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Interleukin 1 receptor, type I (IL-1R1) also known as CD121a (Cluster of Differentiation 121a), is an interleukin receptor. IL-1R1/CD121a is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein is a receptor for interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA). IL-1R1/CD121a is an important mediator involved in many cytokines induced immune and inflammatory responses. This protein has been characterized by pharmacological and molecular techniques in the mouse brain. The spindle-shaped astrocytes enclose the wound, separating the healthy from damaged neural tissue. The shape change and subsequent repair processes are IL-1beta activity-dependent, acting through the IL-1 type 1 receptor (IL-1R1), as co-application of the IL-1type 1 receptor antagonist protein (IL-1ra) blocks IL-1beta induced effects. In the spleen, a slight increase in IL-1R ACP and IL-1R1 was observed during the first hours following LPS stimulation. In conclusion, IL-1R AcP mRNA is expressed in the brain and in other tissues where IL-1R1/CD121a transcripts are found. However, the regulation of its expression is distinct from IL-1R1/CD121a. The high level of expression and the lack of regulation of IL-1R AcP transcripts in the brain under inflammatory conditions suggest that the protein might be constitutively expressed in excess.
References	Dale M, et al. (1999). "Interleukin-1 receptor cluster: gene organization of IL1R2, IL1R1, IL1RL2 (IL-1Rrp2), IL1RL1 (T1/ST2), and IL18R1 (IL-1Rrp) on human chromosome 2q.". Genomics 57 (1): 177-9. Joos L, et al. (2001). "Association of IL-1beta and IL-1 receptor antagonist haplotypes with rate of decline in lung function in smokers.". Thorax 56 (11): 863-6. Vigers GP, et al. (1997). "Crystal structure of the type-I interleukin-1 receptor complexed with interleukin-1beta.". Nature 386 (6621): 190-4.

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/il1r1-il-1r1-il-1ri-mouse-elisa-kits/il1r1-il-1r1-il-1-ri/258490