

Mouse Interleukin-1 Receptor Type 1, Il1r1 ELISA Kit | Il1r1 elisa kit

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CATALOG #
AAA124182

REACTIVITY
Mouse

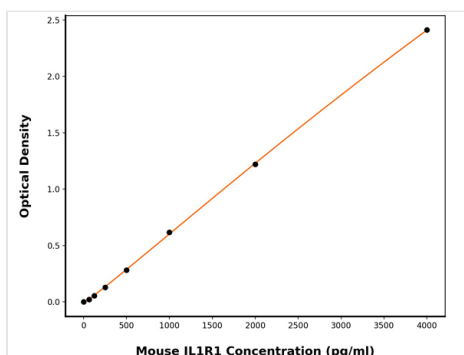
PRODUCT SYNONYMS

Interleukin-1 Receptor Type 1; Il1r1; Mouse Interleukin-1 Receptor Type 1; Il1r1 Primacu ELISA Kit; Interleukin-1 receptor type 1; IL1R1; Il-1r1; Il1ra; Il1r1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	62.5-4000pg/mL
Sensitivity	11.88pg/mL
Standard Solution	40ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for IL1r1 elisa kit	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.
Product Categories/Family for IL1r1 elisa kit	Primacu ELISA Kit; Neuroscience; Cardiovascular; Immunology; Stem cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680417
NCBI GeneID	16177
NCBI Accession #	NP_032388.1
NCBI GenBank Nucleotide #	NM_008362.2
UniProt Accession #	P13504
Molecular Weight	66,698 Da
NCBI Official Full Name	interleukin-1 receptor type 1 isoform 1
NCBI Official Synonym Full Names	interleukin 1 receptor, type I
NCBI Official Symbol	IL1r1
NCBI Official Synonym Symbols	IL-iR; CD121a; CD121b; IL-1R1; IL1r-1
NCBI Protein Information	interleukin-1 receptor type 1; CD121 antigen-like family member A; IL-1 receptor alpha chain; IL-1R-1; IL-1R-alpha; IL-1RT-1; IL-1RT1; interleukin-1 receptor alpha; interleukin-1 receptor type I; p80
UniProt Protein Name	Interleukin-1 receptor type 1
UniProt Gene Name	IL1r1
UniProt Synonym Gene Names	IL-1r1; IL1ra; IL-1R-1; IL-1RT-1; IL-1RT1; IL-1R-alpha; mIL-1R1; mIL-1RI; sIL-1R1; sIL-1RI
UniProt Entry Name	IL1R1_MOUSE

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.