

Mouse Interleukin 1 Receptor Associated Kinase 1 (IRAK1) ELISA Kit | IRAK1 elisa kit

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CATALOG #
AAA68584

REACTIVITY
Mouse

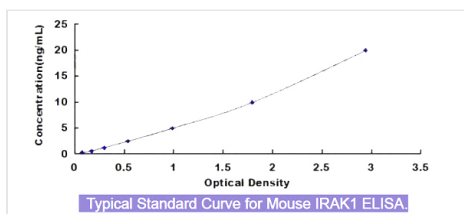
PRODUCT SYNONYMS

Interleukin 1 Receptor Associated Kinase 1 (IRAK1); Mouse Interleukin 1 Receptor Associated Kinase 1 (IRAK1) ELISA Kit; IRAK1; IRAK; Pelle; IRAK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IRAK1. No significant cross-reactivity or interference between IRAK1 and analogues was observed.
Sequence Length	710
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.105ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IRAK1 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 IRAK1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IRAK1 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IRAK1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IRAK1. 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 IRAK1, 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 IRAK1 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 the in vitro quantitative measurement of IRAK1 in mouse tissue homogenates, cell lysates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	295789111
NCBI GeneID	16179
NCBI Accession #	NP_001171445.1
NCBI GenBank Nucleotide #	NM_001177974.1
UniProt Accession #	Q62406; Q6Y3Z5; Q6Y3Z6; B1AUW4
Molecular Weight	77,558 Da
NCBI Official Full Name	interleukin-1 receptor-associated kinase 1 isoform 4
NCBI Official Synonym Full Names	interleukin-1 receptor-associated kinase 1
NCBI Official Symbol	Irak1
NCBI Official Synonym Symbols	IRAK; Plpk; mPLK; IRAK-1; IRAK1b; Il1rak; IRAK1-S; AA408924
NCBI Protein Information	interleukin-1 receptor-associated kinase 1
UniProt Protein Name	Interleukin-1 receptor-associated kinase 1
UniProt Gene Name	Irak1
UniProt Synonym Gene Names	Il1rak; IRAK; IRAK-1; mPLK

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/mouse-elisa-kits/interleukin-1-receptor-associated-kinase-1-irak1/68584>