

Mouse Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A) ELISA Kit | PPP1R15A elisa kit

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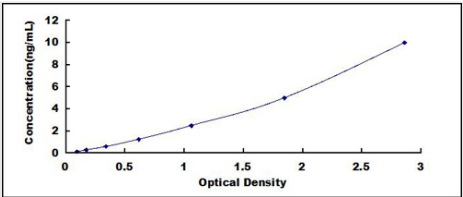
CATALOG # AAA185587	REACTIVITY Mouse
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PRODUCT SYNONYMS

Protein Phosphatase 1; Regulatory Subunit 15A (PPP1R15A); Mouse Protein Phosphatase 1; Regulatory Subunit 15A (PPP1R15A) ELISA Kit; PPP1-R15A; PPP1R15-A; PPP1-R15-A; GADD34; Growth Arrest And DNA-Damage-Inducible 34; Myeloid differentiation primary response protein MyD116 homolog; PPP1R15A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A). No significant cross-reactivity or interference between Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A) and analogues was observed.
Sequence Length	302
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPP1R15A elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A). 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 Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A), 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 $\pm$ 10nm. The concentration of Protein Phosphatase 1, Regulatory Subunit 15A (PPP1R15A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17933740
NCBI GeneID	49260
NCBI Accession #	NP_524937.1
NCBI GenBank Nucleotide #	NM_080198.3
UniProt Accession #	P12982; Q4PIY5; Q9VG75
Molecular Weight	34,542 Da
NCBI Official Full Name	protein phosphatase 1 at 87B
NCBI Official Synonym Full Names	Protein phosphatase 1 at 87B
NCBI Official Symbol	Pp1-87B
NCBI Official Synonym Symbols	87B; CG5650; ck19; DmelCG5650; DmPp1-87B; dPP1beta; l(3)87Bg; l(3)ck19; l(3)6E7; Pp-1alpha; PP-1alpha; Pp1; PP1; PP1 87B; PP1 beta87b; pp1-87B; PP1-87B; Pp1-87Bb; PP187B; PP1A87B; Pp1alpha-87B; PP1alpha-87B; PP1alpha87B; PP1alpha[[2]]; PP1B; PP1c; PP1c 8
NCBI Protein Information	CG5650 gene product from transcript CG5650-RA
UniProt Protein Name	Serine/threonine-protein phosphatase alpha-2 isoform
UniProt Gene Name	Pp1-87B

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.