

Mouse Hypoxanthine Phosphoribosyltransferase 1 (HPRT1) ELISA Kit | HPRT1 elisa kit

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CATALOG #
AAA183862

REACTIVITY
Mouse

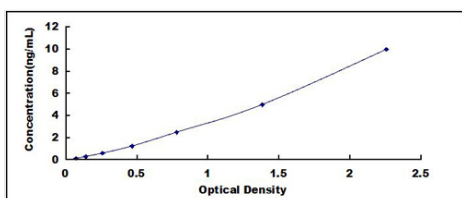
PRODUCT SYNONYMS

Hypoxanthine Phosphoribosyltransferase 1 (HPRT1); Mouse Hypoxanthine Phosphoribosyltransferase 1 (HPRT1) ELISA Kit; HGPRT; HGPRTase; HPRT; Lesch-Nyhan Syndrome; Hypoxanthine-guanine phosphoribosyltransferase; HPRT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Hypoxanthine Phosphoribosyltransferase 1 (HPRT1). No significant cross-reactivity or interference between Hypoxanthine Phosphoribosyltransferase 1 (HPRT1) and analogues was observed.
Sequence Length	218
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Hypoxanthine Phosphoribosyltransferase 1 (HPRT1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Hypoxanthine Phosphoribosyltransferase 1 (HPRT1) 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HPRT1 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 Hypoxanthine Phosphoribosyltransferase 1 (HPRT1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Hypoxanthine Phosphoribosyltransferase 1 (HPRT1). 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 Hypoxanthine Phosphoribosyltransferase 1 (HPRT1), 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 Hypoxanthine Phosphoribosyltransferase 1 (HPRT1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	306885
NCBI GeneID	3251
UniProt Accession #	P00492; A6NHFO; B2R8M9
Molecular Weight	24,579 Da
NCBI Official Full Name	hypoxanthine phosphoribosyltransferase 1
NCBI Official Synonym Full Names	hypoxanthine phosphoribosyltransferase 1
NCBI Official Symbol	HPRT1
NCBI Official Synonym Symbols	HPRT; HGPRT
NCBI Protein Information	hypoxanthine-guanine phosphoribosyltransferase
UniProt Protein Name	Hypoxanthine-guanine phosphoribosyltransferase
UniProt Gene Name	HPRT1
UniProt Synonym Gene Names	HPRT; HGPRT; HGPRTase

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/hypoxanthine-phosphoribosyltransferase-1-hprt1/183862>