

Human IMP (inosine monophosphate) dehydrogenase 2 ELISA Kit | IMPDH2 elisa kit

Human Inosine-5'-monophosphate dehydrogenase 2, IMPDH2 ELISA Kit

CATALOG #
AAA112337

REACTIVITY
Human

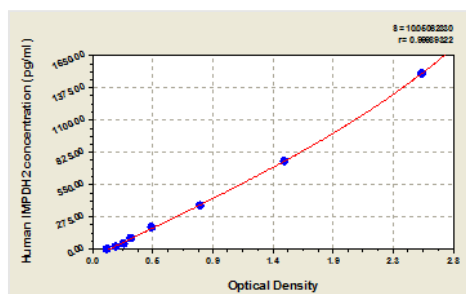
PRODUCT SYNONYMS

IMP (inosine monophosphate) dehydrogenase 2; Human Inosine-5'-monophosphate dehydrogenase 2; IMPDH2 ELISA Kit; Human Inosine-5'-monophosphate dehydrogenase 2 (IMPDH2) ELISA kit; hCG_2002013; IMPD2; IMPDH-II; IMP oxireductase 2; inosine 5 phosphate dehydrogenase 2; inosine monophosphate dehydrogenase 2; inosine monophosphate dehydrogenase type II; IMPDH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human IMPDH2. No significant cross-reactivity or interference between Human IMPDH2 and analogues was observed.
Sequence Length	514
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Detection Range	23.5 pg/ml-1500 pg/ml
Sensitivity	5.8 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IMPDH2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IMPDH2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for IMPDH2 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain IMPDH2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of IMPDH2 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 #	66933016
NCBI GeneID	3615
NCBI Accession #	NP_000875.2
NCBI GenBank Nucleotide #	NM_000884.2
UniProt Accession #	P12268; Q6LEF3
Molecular Weight	55,805 Da
NCBI Official Full Name	inosine-5'-monophosphate dehydrogenase 2
NCBI Official Synonym Full Names	IMP (inosine 5'-monophosphate) dehydrogenase 2
NCBI Official Symbol	IMPDH2
NCBI Official Synonym Symbols	IMPD2; IMPDH-II
NCBI Protein Information	inosine-5'-monophosphate dehydrogenase 2; IMPD 2; IMPDH 2; IMP oxireductase 2; inosine 5' phosphate dehydrogenase 2; IMP (inosine monophosphate) dehydrogenase 2; inosine monophosphate dehydrogenase type II
UniProt Protein Name	Inosine-5'-monophosphate dehydrogenase 2
UniProt Gene Name	IMPDH2
UniProt Synonym Gene Names	IMPD2; IMP dehydrogenase 2; IMPD 2; IMPDH 2
UniProt Entry Name	IMDH2_HUMAN

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/impdh2-human-elisa-kits/imp-inosine-monophosphate-dehydrogenase-2/112337>