

Human IMPDH1 (Inosine-5'-monophosphate dehydrogenase 1) ELISA Kit | IMPDH1 elisa kit

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CATALOG #
AAA251022

REACTIVITY
Human

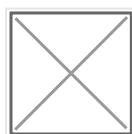
PRODUCT SYNONYMS

IMPDH1 (Inosine-5'-monophosphate dehydrogenase 1); Human IMPDH1 (Inosine-5'-monophosphate dehydrogenase 1) ELISA Kit; IMPDH1; Inosine-5'-monophosphate dehydrogenase 1; IMPDH-I; IMPDH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize IMPDH1, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IMPDH1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti IMPDH1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti IMPDH1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with IMPDH1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of IMPDH1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.

NCBI AND UNIPROT INFORMATION

NCBI GI #

[34328930](#)

NCBI GeneID	3614
NCBI Accession #	NP_000874.2
NCBI GenBank Nucleotide #	NM_000883.3
UniProt Accession #	P20839; Q8N194; Q96NU2; A4D0Z6; A4D0Z7; A6NDW5; A6NNI6; B3KNP7; B3KVM8; B4DE09; C9JV30; J3KNX8
Molecular Weight	60,898 Da
NCBI Official Full Name	inosine-5'-monophosphate dehydrogenase 1 isoform a
NCBI Official Synonym Full Names	IMP (inosine 5'-monophosphate) dehydrogenase 1
NCBI Official Symbol	IMPDH1
NCBI Official Synonym Symbols	IMPD; RP10; IMPD1; LCA11; IMPDH-I; sWSS2608
NCBI Protein Information	inosine-5'-monophosphate dehydrogenase 1; IMP (inosine monophosphate) dehydrogenase 1; IMPD 1; IMPDH 1
UniProt Protein Name	Inosine-5'-monophosphate dehydrogenase 1
UniProt Gene Name	IMPDH1
UniProt Entry Name	IMDH1_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/human-elisa-kits/impdh1-inosine-5-monophosphate-dehydrogenase-1/251022>