

Human Inositol monophosphatase 2 ELISA Kit | IMPA2 elisa kit

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CATALOG #
AAA101348

REACTIVITY
Human

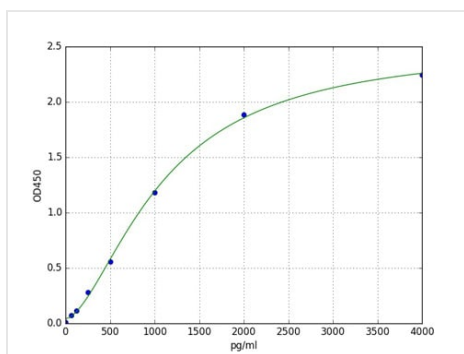
PRODUCT SYNONYMS

Inositol monophosphatase 2; Human Inositol monophosphatase 2 ELISA Kit; IMPA2 (Inositol monophosphatase 2)/IMP 2/IMPase 2/Inositol-1 (or 4)-monophosphatase 2/Myo-inositol monophosphatase A2; IMPA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	288
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
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)

Typical Data & Standard Curve

Results of a typical standard run of a Human IMPA2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	0.043	0.112	0.176	0.359	0.627	1.145	1.830	2.285

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IMPA2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human IMPA2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human IMPA2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human IMPA2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human IMPA2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657236
NCBI GeneID	3613
NCBI Accession #	NP_055029.1
NCBI GenBank Nucleotide #	NM_014214.2
Molecular Weight	28,512 Da
NCBI Official Full Name	inositol monophosphatase 2
NCBI Official Synonym Full Names	inositol(myo)-1(or 4)-monophosphatase 2
NCBI Official Symbol	IMPA2
NCBI Protein Information	inositol monophosphatase 2
UniProt Protein Name	Inositol monophosphatase 2
UniProt Gene Name	IMPA2
UniProt Synonym Gene Names	IMP.18P; IMP 2; IMPase 2
UniProt Entry Name	IMPA2_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/impa2-human-elisa-kits/inositol-monophosphatase-2/101348>