

Human Porphobilinogen deaminase ELISA Kit | HMBS elisa kit

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CATALOG #
AAA196298

REACTIVITY
Human

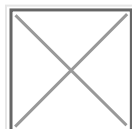
PRODUCT SYNONYMS

Porphobilinogen deaminase; Human Porphobilinogen deaminase ELISA Kit; PBG-D; Hydroxymethylbilane synthase; HMBS; Pre-uroporphyrinogen synthase; PBGD; UPS; 2.5.1.61; HMBS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human PBG-D. No significant cross-reactivity or interference was observed.
Sequence Length	382
Samples	Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids
Detection Range	0.62 ng/ml -40.0 ng/ml.
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMBS elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human PBG-D concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PBG-D. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for PBG-D and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain PBG-D, 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 $\pm$ 2 nm. The concentration of PBG-D in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15241573
NCBI GeneID	830724
NCBI Accession #	NP_196445.1
NCBI GenBank Nucleotide #	NM_120911.3

Molecular Weight	41,043 Da
NCBI Official Full Name	Porphobilinogen deaminase
NCBI Official Symbol	HEMC
NCBI Official Synonym Symbols	F8L15.10; F8L15_10; HEMC; hydroxymethylbilane synthase; PORPHOBILINOGEN DEAMINASE
NCBI Protein Information	Porphobilinogen deaminase
UniProt Protein Name	Porphobilinogen deaminase, chloroplastic
UniProt Gene Name	HEMC
UniProt Synonym Gene Names	RUG1; PBG; HMBS
UniProt Entry Name	HEM3_ARATH

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/hmbs-human-elisa-kits/porphobilinogen-deaminase/196298>