

Human Hydroxymethylbilane Synthase (HMBS) CLIA Kit | HMBS clia kit

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CATALOG # AAA150427	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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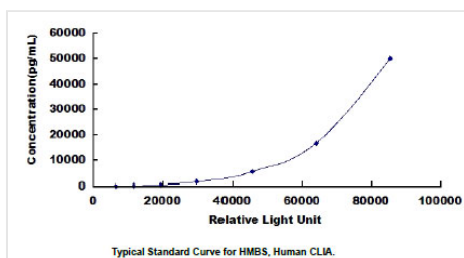
PRODUCT SYNONYMS

Hydroxymethylbilane Synthase (HMBS); Human Hydroxymethylbilane Synthase (HMBS) CLIA Kit; PBG-D; PBGD; UPS; Hydroxymethylbilane Synthase; Uroporphyrinogen I Synthase; Porphobilinogen deaminase; Pre-uroporphyrinogen synthase; HMBS clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HMBS. No significant cross-reactivity or interference between HMBS and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	68.6-50,000pg/mL
Sensitivity	25.8pg/mL
Applicable Applications for HMBS clia kit	CLIA (Chemiluminescence Immunoassay)
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HMBS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HMBS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 HMBS clia kit	Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of HMBS in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HMBS. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HMBS. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the HMBS level in the sample or standard.
Product Categories/Family for HMBS clia kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	1170217
NCBI GeneID	3145
UniProt Accession #	P08397; P08396; Q16012; A8K2L0; G3V1P4; G5EA58
Molecular Weight	361
NCBI Official Full Name	Porphobilinogen deaminase
NCBI Official Synonym Full Names	hydroxymethylbilane synthase
NCBI Official Symbol	HMBS
NCBI Official Synonym Symbols	UPS; PBGD; PORC; PBG-D
NCBI Protein Information	porphobilinogen deaminase; uroporphyrinogen I synthase; pre-uroporphyrinogen synthase; uroporphyrinogen I synthetase; porphyria, acute; Chester type
UniProt Protein Name	Porphobilinogen deaminase
UniProt Gene Name	HMBS
UniProt Synonym Gene Names	PBGD; UPS; PBG-D; HMBS
UniProt Entry Name	HEM3_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.