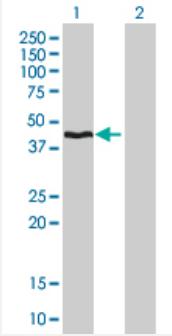
HMBS monoclonal antibody (M01), clone 3E8

Catalog # H00003145-M01 Size 100 ug

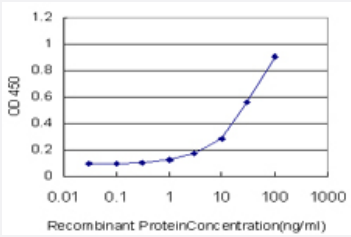
Applications



Western Blot (Transfected lysate)

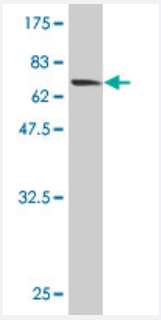
Western Blot analysis of HMBS expression in transfected 293T cell line by HMBS monoclonal antibody (M01), clone 3E8.

Lane 1: HMBS transfected lysate(39.71 KDa).
Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HMBS is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (65.45 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant HMBS.

Immunogen	HMBS (AAH00520.1, 1 a.a. ~ 361 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSGNGNAAATAEENSPKMRVIRVGTRKSQLARIQTDSVVATLKASYPGLQFEIIAMSTTGDKIPDTA LSKIGEKSLFTKELEHALEKNEVDLVVHSLKDLPTVLPPGFTIGAICKRENPHDAVVFHPKFVGKTL ETLPEKSVVGTSSLRRAAQLQRKFPHLEFRSIRGNLNTRLRKLDEQQEFSAIILATAGLQRMGWHN RVGQILHPEECMYAVGQGALGVEVRAKDQDILDLVGVLHDPETLLRCIAERAFLRHLEGGCSVPV AVHTAMKDGQLYLTGGVWSLDGSDSIQETMQATIHVPAQHEDGPEDDPQLVGITARNIPRGPQLA AQNLGISLANLLLSKGAKNILDVARQLNDAH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (91)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (65.45 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

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  Protocol Download

- ELISA

Gene Info — HMBS

Entrez GeneID	3145
GeneBank Accession#	BC000520
Protein Accession#	AAH00520.1
Gene Name	HMBS
Gene Alias	PBG-D, PBGD, UPS
Gene Description	hydroxymethylbilane synthase
Omim ID	176000 609806
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the hydroxymethylbilane synthase superfamily. The encoded protein is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation of four porphobilinogen molecules into the linear hydroxymethylbilane. Mutations in this gene are associated with the autosomal dominant disease acute intermittent porphyria. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq
Other Designations	porphobilinogen deaminase|pre-uroporphyrinogen synthase|uroporphyrinogen I synthase|uroporphyrinogen I synthetase

Pathway

- Metabolic pathways
- Porphyrin and chlorophyll metabolism

Disease

- Abdominal Pain
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Porphyria