

Mouse Glucosidase Beta, Acid (GbA) ELISA Kit | GbA elisa kit

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CATALOG #
AAA68560

REACTIVITY
Mouse

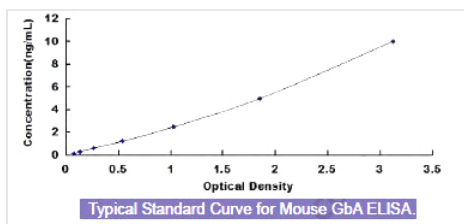
PRODUCT SYNONYMS

Glucosidase Beta; Acid (GbA); Mouse Glucosidase Beta; Acid (GbA) ELISA Kit; GBA1; GCB; GLUC; Imiglucerase; Alglucerase; Beta-glucocerebrosidase; Glucosylceramidase; beta-Glucosidase; D-Glucosyl-N-Acylsphingosine Glucohydrolase; GbA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GbA. No significant cross-reactivity or interference between GbA and analogues was observed.
Sequence Length	515
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.064ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GbA 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 GbA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GbA elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GbA in mouse serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GbA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GbA. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GbA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of GbA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116734815
NCBI GeneID	14466
NCBI Accession #	NP_001070879.1
NCBI GenBank Nucleotide #	NM_001077411.2
UniProt Accession #	P17439; Q78NR7
Molecular Weight	57,622 Da
NCBI Official Full Name	glucosylceramidase
NCBI Official Synonym Full Names	glucosidase, beta, acid
NCBI Official Symbol	Gba
NCBI Official Synonym Symbols	GC; GBA1; GLUC; GCase; betaGC
NCBI Protein Information	glucosylceramidase
UniProt Protein Name	Glucosylceramidase
UniProt Gene Name	Gba

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.