

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

Human Glucosidase Beta, Acid (GbA) Wide-range ELISA Kit

CATALOG #
AAA147548

REACTIVITY
Human

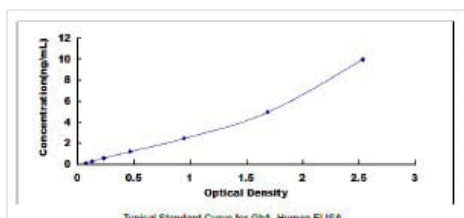
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Glucosidase Beta, Acid (GbA). No significant cross-reactivity or interference between Wide-range Glucosidase Beta, Acid (GbA) and analogues was observed.
Sequence Length	536
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.64ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Wide-range Glucosidase Beta, Acid (GbA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Wide-range Glucosidase Beta, Acid (GbA) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 GbA elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wide-range Glucosidase Beta, Acid (GbA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Glucosidase Beta, Acid (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 Wide-range Glucosidase Beta, Acid (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 Wide-range Glucosidase Beta, Acid (GbA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GbA elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607043
NCBI GeneID	2629
NCBI Accession #	NP_000148.2
NCBI GenBank Nucleotide #	NM_000157.3
UniProt Accession #	P04062; Q16545; Q4VX22; Q6I9R6; Q9UMJ8; A8K796; B7Z5G2; B7Z6S1; J3KQG4; J3KQK9
Molecular Weight	54,471 Da
NCBI Official Full Name	glucosylceramidase isoform 1
NCBI Official Synonym Full Names	glucosylceramidase beta
NCBI Official Symbol	GBA
NCBI Official Synonym Symbols	GCB; GBA1; GLUC
NCBI Protein Information	glucosylceramidase
UniProt Protein Name	Glucosylceramidase
UniProt Gene Name	GBA
UniProt Synonym Gene Names	GC; GLUC; Beta-GC

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/human-elisa-kits/glucosidase-beta-acid-gba/147548>