

Human Glucocerebrosidase (GBA) ELISA Kit | GBA elisa kit

Human Glucocerebrosidase (GBA) Wide-range ELISA Kit

CATALOG # AAA23120	REACTIVITY Human	APPLICATIONS ELISA
------------------------------	----------------------------	------------------------------

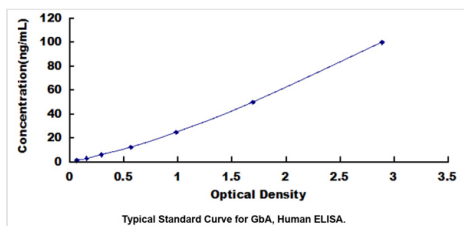
PRODUCT SYNONYMS

Glucocerebrosidase (GBA); Human Glucocerebrosidase (GBA) Wide-range ELISA Kit; Glucocerebrosidase; GBA1; GCB; GLUC; Imiglucerase; Alglucerase; Beta-glucocerebrosidase; Glucosidase Beta; Acid; 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 GbA. No significant cross-reactivity or interference between GbA and analogues was observed.
Sequence Length	536
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.61ng/mL
Applicable Applications for GBA elisa kit	ELISA
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%
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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GbA. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GbA in Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607043
NCBI GeneID	2629
NCBI Accession #	NP_000148.2
NCBI GenBank Nucleotide #	NP_000148.2
UniProt Accession #	P04062
NCBI Official Full Name	lysosomal acid glucosylceramidase isoform 1
NCBI Official Synonym Full Names	glucosylceramidase beta
NCBI Official Symbol	GBA
NCBI Official Synonym Symbols	GCB; GBA1; GLUC
NCBI Protein Information	lysosomal acid glucosylceramidase
UniProt Protein Name	Glucosylceramidase
UniProt Gene Name	GBA
UniProt Synonym Gene Names	GC; GLUC; Beta-GC
UniProt Entry Name	GLCM_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/glucoocerebrosidase-gba/23120>