

Human Glucosylceramidase ELISA Kit | GBA elisa kit

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CATALOG #
AAA102307

REACTIVITY
Human

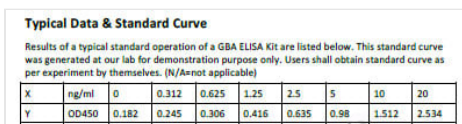
PRODUCT SYNONYMS

Glucosylceramidase; Human Glucosylceramidase ELISA Kit; GBA/Glucosylceramidase/Imiglucerase/D-glucosyl-N-acylsphingosine glucosylhydrolase/Beta-glucocerebrosidase/Beta-GC/Acid beta-glucosidase/Alglucerase/GC/GLUC/GBA1/glucosidase; beta; acid/acid (includes glucosylceramidase)/lysosomal glucocerebrosidase; 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	487
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/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<8%
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<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GBA elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GBA antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-GBA antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the GBA amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GBA can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	284807152
NCBI GeneID	2629
NCBI Accession #	NP_001165283.1
NCBI GenBank Nucleotide #	NM_001171812.1
Molecular Weight	54,471 Da
NCBI Official Full Name	glucosylceramidase isoform 3
NCBI Official Synonym Full Names	glucosidase, beta, acid
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
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.

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Online datasheet: <https://www.aaabiotech.com/gba-human-elisa-kits/glucosylceramidase/102307>