

Human Glucosylceramidase (GBA) ELISA Kit | GBA elisa kit

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CATALOG #
AAA27065

REACTIVITY
Human

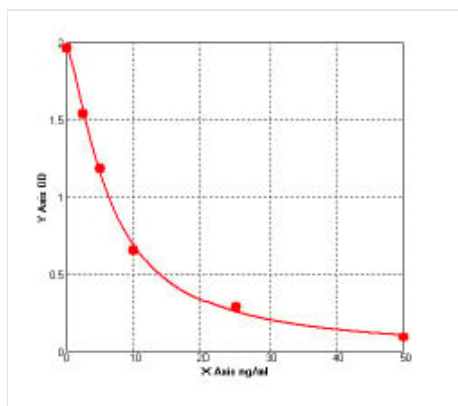
PRODUCT SYNONYMS

Glucosylceramidase (GBA); Human Glucosylceramidase (GBA) ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GBA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GBA elisa kit	Principle of the Assay: GBA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GBA antibody and an GBA-HRP conjugate. The assay sample and buffer are incubated together with GBA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GBA concentration since GBA from samples and GBA-HRP conjugate compete for the anti-GBA antibody binding site. Since the number of sites is limited, as more sites are occupied by GBA from the sample, fewer sites are left to bind GBA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GBA concentration in each sample is interpolated from this standard curve. Intended Uses: This GBA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GBA. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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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; beta-GC; alglucerase; imiglucerase; acid beta-glucosidase; beta-glucocerebrosidase; lysosomal glucocerebrosidase; glucosylceramidase-like protein; D-glucosyl-N-acylsphingosine glucohydrolase
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.