

Mouse Glucagon (GC) ELISA Kit | GCG elisa kit

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CATALOG #
AAA245041

REACTIVITY
Mouse

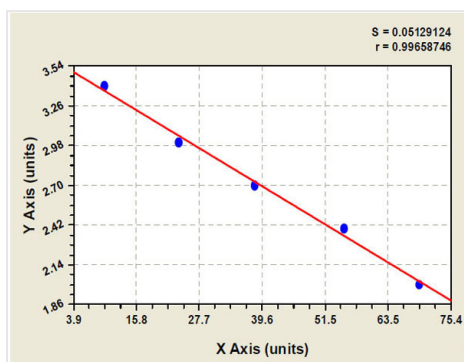
PRODUCT SYNONYMS

Glucagon (GC); Mouse Glucagon (GC) ELISA Kit; GCG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This GC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GC. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCG elisa kit

Principle of the assay: GC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GC antibody and an GC-HRP conjugate. The assay sample and buffer are incubated together with GC-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 GC concentration since GC from samples and GC-HRP conjugate compete for the anti-GC antibody binding site. Since the number of sites is limited, as more sites are occupied by GC from the sample, fewer sites are left to bind GC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GC concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503945
NCBI GeneID	2641
NCBI Accession #	NP_002045.1
NCBI GenBank Nucleotide #	NM_002054.4
Molecular Weight	20,909 Da
NCBI Official Full Name	glucagon preproprotein
NCBI Official Synonym Full Names	glucagon
NCBI Official Symbol	GCG
NCBI Official Synonym Symbols	GLP1; GLP2; GRPP
NCBI Protein Information	glucagon; preproglucagon; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide
UniProt Protein Name	Glucagon
UniProt Gene Name	GCG
UniProt Synonym Gene Names	GRPP; OXM; OXY; GLP-1; GLP-1(7-37); GLP-1(7-36); GLP-2
UniProt Entry Name	GLUC_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://stage.aaabiotech.com/gcg-mouse-elisa-kits/glucagon-gc/245041>