

Human Glucagon ELISA Kit | GCG elisa kit

Glucagon ELISA KIT

CATALOG #
AAA309888

REACTIVITY
Human

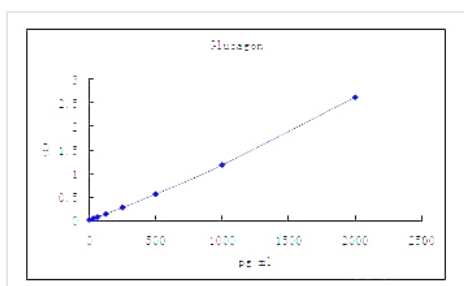
PRODUCT SYNONYMS

Glucagon; Glucagon ELISA KIT; GCG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of F1+2. No significant cross-reactivity or interference between F1+2 and analogues was observed.
Samples	Human Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Sandwich
Sensitivity	0.04pg/mL
Intra-assay Precision	3 samples with low, middle and high level F1+2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	3 samples with low, middle and high level F1+2 were tested on 3 different plates, 8 replicates in each plate. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCG elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for F1+2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any F1+2 present is bound by the immobilized antibody. Following incubation unbound samples are removed during a wash step, and then a detection antibody specific for F1+2 is added to the wells and binds to the combination of capture antibody-F1+2 in sample. Following a wash to remove any unbound combination, and enzyme conjugate is added to the wells. Following incubation and wash steps, a substrate is added. A colored product TMB is formed in proportion to the amount of F1+2 present in the sample. The reaction is terminated by addition of acid and absorbance is measured. A standard curve is prepared from seven F1+2 standard dilutions and F1+2 sample concentration determined.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503945
NCBI GeneID	2641
NCBI Accession #	NP_002045.1
NCBI GenBank Nucleotide #	NM_002054.4
UniProt Accession #	P01275; Q53TP6; A6NN65
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; GLP-1
NCBI Protein Information	glucagon
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

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/human-elisa-kits/glucagon/309888>