

Canine Glucagon ELISA Kit | GC elisa kit

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CATALOG #
AAA91422

REACTIVITY
Canine

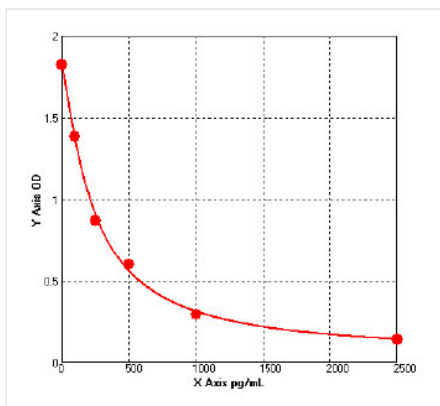
PRODUCT SYNONYMS

Glucagon; Canine Glucagon ELISA Kit; GC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of GC. No significant cross-reactivity or interference between GC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GC 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	1.0 pg/mL
Intended Uses	This GC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine 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 GC elisa kit	Principle of the Assay: GC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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. Intended Uses: This GC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GC. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GC elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	13528972
NCBI GeneID	2641
Molecular Weight	20,909 Da
NCBI Official Full Name	Glucagon
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/gc-canine-elisa-kits/glucagon/91422>