

Canine Gastrin cell antibody ELISA Kit | GCA elisa kit

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CATALOG #
AAA88239

REACTIVITY
Canine

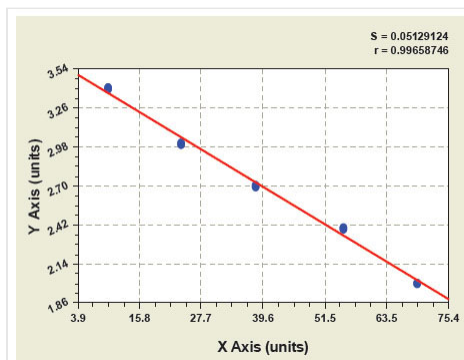
PRODUCT SYNONYMS

Gastrin cell antibody; Canine Gastrin cell antibody ELISA Kit; GCA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GCA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GCA. 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 GCA elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	755218
Molecular Weight	36,399 Da
NCBI Official Full Name	GCA
UniProt Protein Name	GDP-mannose 4,6-dehydratase
UniProt Gene Name	gmd
UniProt Synonym Gene Names	gca; PA5453
UniProt Entry Name	GM4D_PSEAE

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/gca-canine-elisa-kits/gastrin-cell-antibody/88239>