

Porcine Chromogranin A ELISA Kit | CHGA elisa kit

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CATALOG #
AAA91116

REACTIVITY
Porcine

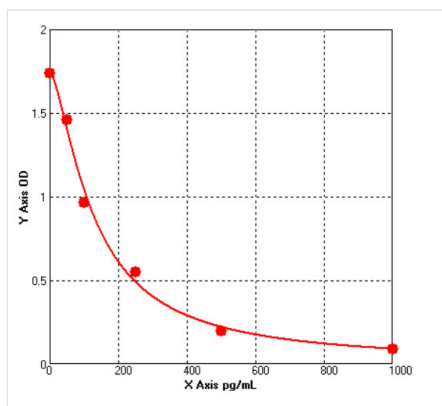
PRODUCT SYNONYMS

Chromogranin A; Porcine Chromogranin A ELISA Kit; CHGA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of CGA. No significant cross-reactivity or interference between CGA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CGA 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHGA elisa kit	Principle of the Assay: CGA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CGA antibody and an CGA-HRP conjugate. The assay sample and buffer are incubated together with CGA-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 CGA concentration since CGA from samples and CGA-HRP conjugate compete for the anti-CGA antibody binding site. Since the number of sites is limited, as more sites are occupied by CGA from the sample, fewer sites are left to bind CGA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CGA concentration in each sample is interpolated from this standard curve. Intended Uses: This CGA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CGA. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CHGA elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502805
NCBI GeneID	1113
NCBI Accession #	NP_001266.1
NCBI GenBank Nucleotide #	NM_001275.3
Molecular Weight	50,688 Da
NCBI Official Full Name	chromogranin-A isoform 1 preproprotein
NCBI Official Synonym Full Names	chromogranin A (parathyroid secretory protein 1)
NCBI Official Symbol	CHGA
NCBI Official Synonym Symbols	CGA
NCBI Protein Information	chromogranin-A; SP-I; catestatin; chromofungin; pituitary secretory protein I; parathyroid secretory protein 1; betagranin (N-terminal fragment of chromogranin A)
UniProt Protein Name	Chromogranin-A
UniProt Gene Name	CHGA
UniProt Synonym Gene Names	CgA; SP-I
UniProt Entry Name	CMGA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/chga-porcine-elisa-kits/chromogranin-a/91116>