

Sheep Chromogranin A ELISA Kit | CHGA elisa kit

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CATALOG #
AAA90482

REACTIVITY
Sheep

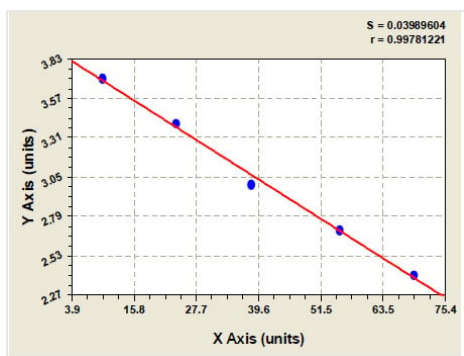
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

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

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

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.

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Online datasheet: <https://stage.aaabiotech.com/chga-sheep-elisa-kits/chromogranin-a/90482>