Chromogranin-A (CHGA) ELISA Kit for Horse

PRODUCT OVERVIEW

Product Name	Chromogranin-A (CHGA), ELISA Kit
Full Product Name	Horse Chromogranin-A (CHGA) ELISA Kit
Product Gene Name	CHGA elisa kit
Species Reactivity	Horse
Assay Type	Quantitative Sandwich
Samples	serum, plasma and other biological fluids
Detection Range	1.56 ng/mL - 100 ng/mL.
Specificity	This assay has high sensitivity and excellent specificity for detection of Horse CHGA. No significant cross-reactivity or interference between Horse CHGA and analogues was observed.
Preparation and Storage	Store at 2-8 degree C.
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Molecular Weight	49,861 Da
3D Structure	ModBase 3D Structure for Q9XS63
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CHGA elisa kit	Intended Uses: For the quantitative detection of Horse Chromogranin-A (CHGA) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CHGA in Horse serum, plasma. An antibody specific for CHGA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CHGA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CHGA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CHGA bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of CHGA elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CHGA purchase	MBS280439 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Chromogranin-A (CHGA) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CHGA. The ELISA analytical biochemical technique of the MBS280439 kit is based on CHGA antibody-CHGA antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CHGA antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CHGA. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHGA. It may not necessarily be applicable to this product.

NCBI GI #	823683845
NCBI GeneID	100033828
NCBI Accession #	NP_001075283.2
UniProt Primary Accession #	Q9XS63
UniProt Related Accession #	Q9XS63
GenBank Nucleotide #	NM_001081814.2
NCBI Official Full Name	chromogranin-A
NCBI Official Synonym Full Names	chromogranin A
NCBI Official Symbol	CHGA
UniProt Protein Name	Chromogranin-A
Protein Family	Chromogranin
UniProt Gene Name	CHGA
UniProt Synonym Gene Names	CgA
NCBI Protein Information	chromogranin-A
UniProt Comments for CHGA	Pancreastatin: Strongly inhibits glucose induced insulin release from the pancreas.Catestatin: Inhibits catecholamine release from chromaffin cells and noradrenergic neurons by acting as a non-competitive nicotinic cholinergic antagonist. Can induce mast cell migration, degranulation and production of cytokines and chemokines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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