

Human Chromogranin B (CHGB) ELISA Kit | CHGB elisa kit

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CATALOG #
AAA63805

REACTIVITY
Human

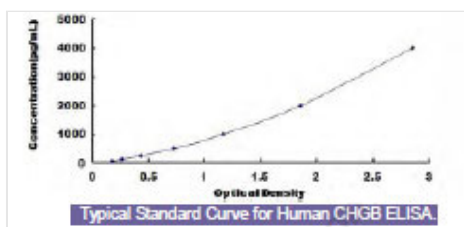
PRODUCT SYNONYMS

Chromogranin B (CHGB); Human Chromogranin B (CHGB) ELISA Kit; SCG1; CgB; Sgl; Secretoneurin 1; Secretogranin 1; CHGB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CHGB. No significant cross-reactivity or interference between CHGB and analogues was observed.
Sequence Length	677
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	22.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CHGB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CHGB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHGB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CHGB in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CHGB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CHGB. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CHGB, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CHGB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	221316599
NCBI GeneID	1114
NCBI Accession #	NP_001810.2
NCBI GenBank Nucleotide #	NM_001819.2
UniProt Accession #	P05060; Q59EU9; Q6IBS6; Q9BQV6; Q9UC25; Q9UJA6; A8K021
Molecular Weight	78,276 Da
NCBI Official Full Name	secretogranin-1
NCBI Official Synonym Full Names	chromogranin B
NCBI Official Symbol	CHGB
NCBI Official Synonym Symbols	SCG1
NCBI Protein Information	secretogranin-1
UniProt Protein Name	Secretogranin-1
UniProt Gene Name	CHGB
UniProt Synonym Gene Names	SCG1; CgB; Sgl

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.