

Human Secretogranin-1 (CHGB/SCG1) ELISA Kit

Catalog No: #EK12074



Package Size: #EK12074-1 48T #EK12074-2 96T

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Description

Product Name	Human Secretogranin-1 (CHGB/SCG1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	SCG1; chromogranin B secretogranin B
Accession No.	P23389
Uniprot	P23389
GeneID	281071;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.625-40 ng/mL

Sensitivity:0.255 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CHGB in samples. An antibody specific for CHGB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCHGB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CHGB 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 CHGB bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Chromogranin B is a tyrosine-sulfated secretory protein found in a wide variety of peptidergic endocrine cells. Chromogranin functions as a neuroendocrine secretory granule protein which may be the precursor for other biologically active peptides.Secretoneurin is involved in chemotaxis of monocytes and eosinophils (comparable in potency to IL8) and endothelial cells and in regulation of endothelial cell proliferation.Highest secretoneurin levels are found in anterior pituitary, followed by adrenal medulla and posterior pituitary hypothalamus (2- to 6-fold lower levels in other brain regions investigated). Secretoneurin has been shown to have potent angiogenic activity in vivo in mouse cornea model and in vitro in a 3-dimensional gel.

Note: This product is for in vitro research use only