NEURAL TISSUE DAMAGE MARKERS

Immunoassays

HUMAN SECRETAGOGIN ELISA

Cat. No.: RD191120200R

RUO

Intended use

The RD191120200R Human Secretagogin ELISA is a sandwich enzyme immunoassay for the quantitative measurement of human secretagogin (SCGN).

> It is intended for research use only
> The total assay time is less than 3.5 hours
> The kit measures human secretagogin in serum and plasma (EDTA)
> Assay format is 96 wells
> Quality Controls are human serum based. No animal sera are used
> Standard is recombinant protein based
> Components of the kit are provided ready to use, concentrated or lyophilized

Clinical application

> Neurodegenerative disease
> Brain injury
> Insulin secretion
> Cancer

Test principle

In the BioVendor Human Secretagogin ELISA, the standards, quality controls and samples are incubated in microtitrate wells pre-coated with polyclonal anti-human secretagogin antibody. After 60 min incubation and a washing, biotin labelled polyclonal anti-human secretagogin antibody is added and incubated with captured secretagogin for 60 min. After another washing, the streptavidin-HRP conjugate is added. After 30 min incubation and the last washing step, the remaining conjugate is allowed to react with the substrate solution (TMB). The reaction is stopped by addition of acidic solution, and absorbance of the resulting yellow product is measured. The absorbance is proportional to the concentration of secretagogin. A standard curve is constructed by plotting absorbance values against concentrations of standards, and concentrations of unknown samples are determined using this standard curve.

HUMAN SECRETAGOGIN ELISA
CAT. NO.: RD191120200R

Assay format	Sandwich ELISA, Biotin-labelled antibody, 96 wells/kit
Samples	Plasma-EDTA, Serum
Controls	QC-Low, QC-High
Standards	62.5 to 2000 pg/ml
Limit of detection	Limit of Detection (LOD) (defined as concentration of analyte giving absorbance higher than mean absorbance of blank* plus three standard deviations of the absorbance of blank: $A_{blank} + 3xSD_{blank}$) is calculated from the real secretagogin values in wells and is 11 pg/ml. *Dilution Buffer is pipetted into blank wells.

Summary of protocol

- Reconstitute QCs and Master Standard and prepare set of standards
- Dilute samples 3×
- Add 100 µl Standards, QCs and samples
- Incubate at RT for 1 hour/300 rpm
- Wash plate 3 times
- Add 100 µl Biotin Labelled Antibody
- Incubate at RT for 1 hour/300 rpm
- Wash plate 3 times
- Add 100 µl Streptavidin-HRP Conjugate
- Incubate at RT for 30 min/300 rpm
- Wash plate 3 times
- Add 100 µl Substrate Solution
- Incubate at RT for 10 min
- Add 100 µl Stop Solution
- Read absorbance and calculate results

Related products

- Secretagogin Human E. coli RD172120100
- Secretagogin Rat E. coli RD372120100
- Secretagogin Human, Sheep Polyclonal Antibody RD184120100
- Secretagogin Human, Rabbit Polyclonal Antibody RD181120100
- Secretagogin Rat, Rabbit Polyclonal Antibody RD381120100
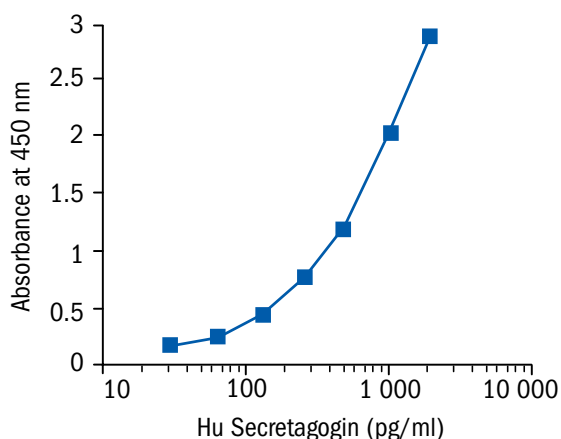
BioVendor − Laboratorni medicina a.s.
Karasek 1767/1, 621 00 Brno, Czech Republic
Phone: +420 549 124 185, Fax: +420 549 211 460
E-mail: info@biovendor.com

❯ *w w w . b i o v e n d o r . c o m*

❯ *Visit www.biovendor.com to find more information about BioVendor products.*