

Human Granulin ELISA Kit | GRN elisa kit

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CATALOG #
AAA87359

REACTIVITY
Human

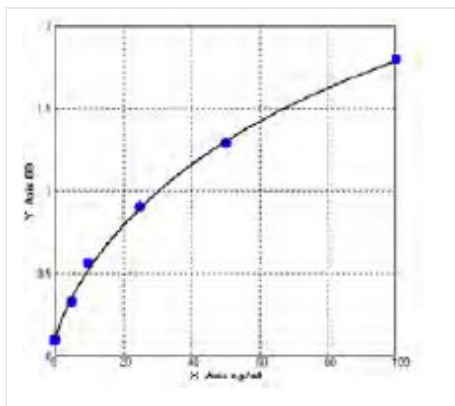
PRODUCT SYNONYMS

Granulin; Human Granulin ELISA Kit; GRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GRA. No significant cross-reactivity or interference between GRA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GRA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRN elisa kit	Intended Uses: This GRA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GRA. This ELISA kit for research use only! Principle of the Assay: GRA ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GRA. Standards or samples are then added to the microtiter plate wells and GRA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GRA present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for GRA are added to each well to "sandwich" the GRA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GRA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GRN elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	183613
NCBI GeneID	2896
Molecular Weight	44,132 Da
NCBI Official Full Name	granulin
NCBI Official Synonym Full Names	granulin
NCBI Official Symbol	GRN
NCBI Official Synonym Symbols	GEP; GP88; PEPI; PGRN; CLN11; PCDGF
NCBI Protein Information	granulins; acrogranin; progranulin; proepithelin; granulin-epithelin; PC cell-derived growth factor
UniProt Protein Name	Granulins
UniProt Gene Name	GRN
UniProt Synonym Gene Names	PEPI
UniProt Entry Name	GRN_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.