

Rat Progranulin ELISA Kit | PRGN elisa kit

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CATALOG #
AAA16092

REACTIVITY
Rat

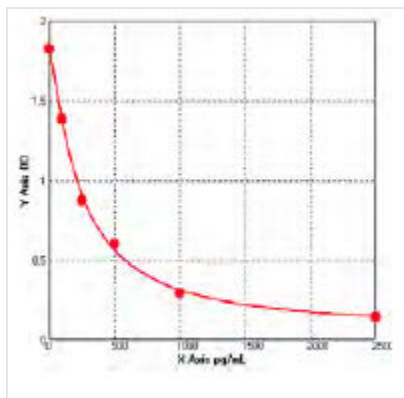
PRODUCT SYNONYMS

Progranulin; Rat Progranulin ELISA Kit; PRGN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PGRN. No significant cross-reactivity or interference between PGRN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PGRN 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	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRGN elisa kit	Intended Uses: This PGRN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PGRN. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PGRN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PGRN antibody and an PGRN-HRP conjugate. The assay sample and buffer are incubated together with PGRN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PGRN concentration since PGRN from samples and PGRN-HRP conjugate compete for the anti-PGRN antibody binding site. Since the number of sites is limited, as more sites are occupied by PGRN from the sample, fewer sites are left to bind PGRN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGRN concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PRGN elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	251831945
Molecular Weight	22,499 Da
NCBI Official Full Name	progranulin
UniProt Protein Name	Progranulin
UniProt Gene Name	LOC100692931
UniProt Entry Name	C7E2T9_ORENI

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.

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Online datasheet: <https://stage.aaabiotech.com/prgn-rat-elisa-kits/progranulin/16092>