

Human Granulin/Progranulin/GRN ELISA Kit | GRN elisa kit

Human Granulin/Progranulin/GRN ELISA Kit

CATALOG #
AAA258393

REACTIVITY
Human

PRODUCT SYNONYMS

Granulin/Progranulin/GRN; Human Granulin/Progranulin/GRN ELISA Kit; Granulin ELISA Kit; Human; Granulin Precursor; CLN11 ELISA Kit; GEP ELISA Kit; GP88 ELISA Kit; PCDGF ELISA Kit; PEPI ELISA Kit; PGRN ELISA Kit; Progranulin ELISA Kit; GRN elisa kit

PRODUCT SPECIFICATIONS

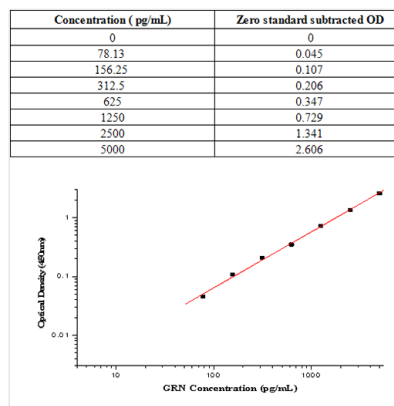
Reactivity	Human
Specificity	For the quantitative determination of Human Granulin/Progranulin/GRN concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	78.13-5000pg/mL
Sensitivity	40.62pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
IL1	IL2	IL33	IL10
IL8	TNF- α	IL4	IL6
IFN- γ	MIP-1 β	TIMP1	TIMP2
GM-CSF	SCF	PDGF	VEGF
Recombinant mouse			
GRN			

Application Data

This assay recognizes both recombinant and natural Human GRN. Mouse GRN was prepared at 200ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. The factors listed above were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for GRN elisa kit	This Granulin ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Granulin protein in Serum. It contains recombinant Human Granulin, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Granulins are a family of secreted, glycosylated peptides that are cleaved from a single precursor protein with 7.5 repeats of a highly conserved 12-cysteine granulin/epithelin motif. The precursor protein, progranulin, is also called Proepithelin and PC cell-derived growth factor. Cleavage of the signal peptide produces mature granulin which can be further cleaved into a variety of active, 6 kDa peptides. These smaller cleavage products are named granulin A, granulin B, granulin C, etc. Epithelins 1 and 2 are synonymous with granulins A and B, respectively. Both the peptides and intact granulin protein regulate cell growth. However, different members of the granulin protein family may act as inhibitors, stimulators, or have dual actions on cell growth. Granulin family members are important in normal development, wound healing, and tumorigenesis. Granulins have possible cytokine-like activity. They may play a role in inflammation, wound repair, and tissue remodeling. Granulin-4 promotes proliferation of the epithelial cell line A431 in culture while granulin-3 acts as an antagonist to granulin-4, inhibiting the growth. Granulin expression inhibited Tat transactivation, and tethering experiments showed that this effect was due, at least in part, to a direct action on cyclin T1 in the absence of Tat.
References	Hoque M, et al. (2003) The growth factor granulin interacts with cyclin T1 and modulates P-TEFb-dependent transcription. Mol Cell Biol. 23(5): 1688-702. Bateman A, et al. (1990) Granulins, a novel class of peptide from leukocytes. Biochem Biophys Res Commun. 173(3): 1161-8. Trinh DP, et al. (1999) Epithelin/granulin growth factors: extracellular cofactors for HIV-1 and HIV-2 Tat proteins. Biochem Biophys Res Commun. 256(2): 299-306.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/granulin-progranulin-grn/258393>