

Human Regucalcin (RGN) ELISA Kit | RGN elisa kit

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CATALOG #
AAA67794

REACTIVITY
Human

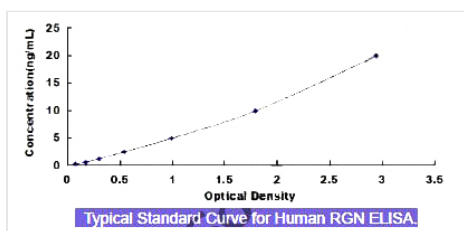
PRODUCT SYNONYMS

Regucalcin (RGN); Human Regucalcin (RGN) ELISA Kit; RC; SMP30; GNL; Senescence Marker Protein-30; Gluconolactonase; RGN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RGN. No significant cross-reactivity or interference between RGN and analogues was observed.
Sequence Length	246
Samples	Serum, plasma or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.109ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RGN were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RGN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RGN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of RGN in human serum, plasma or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to RGN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to RGN. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain RGN, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of RGN in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	544583589
NCBI GeneID	9104
NCBI Accession #	NP_001269777.1
NCBI GenBank Nucleotide #	NM_001282848.1
UniProt Accession #	Q15493; Q53FC9; Q5JRR5; A4FTW1; A8K271
Molecular Weight	24,968 Da
NCBI Official Full Name	regucalcin isoform 2
NCBI Official Synonym Full Names	regucalcin
NCBI Official Symbol	RGN
NCBI Official Synonym Symbols	RC; GNL; SMP30; HEL-S-41
NCBI Protein Information	regucalcin
UniProt Protein Name	Regucalcin
UniProt Gene Name	RGN
UniProt Synonym Gene Names	SMP30; RC; GNL; SMP-30

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/human-elisa-kits/regucalcin-rgn/67794>