

Human Regucalcin (RGN) ELISA Kit | RGN elisa kit

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CATALOG #
AAA136761

REACTIVITY
Human

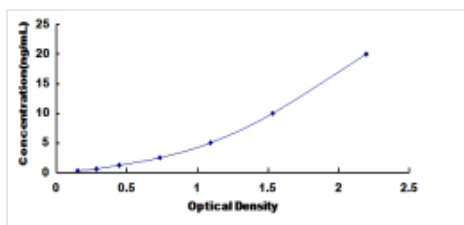
PRODUCT SYNONYMS

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 Regucalcin (RGN). No significant cross-reactivity or interference between Regucalcin (RGN) and analogues was observed.
Sequence Length	319
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Regucalcin (RGN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Regucalcin (RGN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RGN elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Regucalcin (RGN). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Regucalcin (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 Regucalcin (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 Regucalcin (RGN) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for RGN elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	45551448
NCBI GeneID	32165
NCBI Accession #	NP_727588.2
NCBI GenBank Nucleotide #	NM_167316.2
Molecular Weight	33,644 Da
NCBI Official Full Name	regucalcin, isoform D
NCBI Official Symbol	regucalcin
NCBI Official Synonym Symbols	CG1803; DmelCG1803; Regucalcin; T1
NCBI Protein Information	CG1803 gene product from transcript CG1803-RA
UniProt Protein Name	Regucalcin homologue
UniProt Gene Name	regucalcin
UniProt Entry Name	Q9VYR1_DROME

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.