

Rat Regulator Of G Protein Signaling 9 (RGS9) ELISA Kit | RGS9 elisa kit

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CATALOG # AAA186352	REACTIVITY Rat
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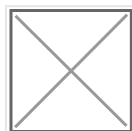
PRODUCT SYNONYMS

Regulator Of G Protein Signaling 9 (RGS9); Rat Regulator Of G Protein Signaling 9 (RGS9) ELISA Kit; PERRS; RGS9L; RGS9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of RGS9. No significant cross-reactivity or interference between RGS9 and analogues was observed.
Sequence Length	677
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RGS9 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 RGS9 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 RGS9 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to RGS9. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to RGS9. 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 RGS9, 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 RGS9 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of RGS9 in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9507051
NCBI GeneID	29481
NCBI Accession #	NP_062097.1
NCBI GenBank Nucleotide #	NM_019224.2
UniProt Accession #	P49805
Molecular Weight	54,808 Da
NCBI Official Full Name	regulator of G-protein signaling 9
NCBI Official Synonym Full Names	regulator of G-protein signaling 9
NCBI Official Symbol	Rgs9
NCBI Protein Information	regulator of G-protein signaling 9
UniProt Protein Name	Regulator of G-protein signaling 9
UniProt Gene Name	Rgs9
UniProt Synonym Gene Names	RGS9

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/rat-elisa-kits/regulator-of-g-protein-signaling-9-rgs9/186352>