Human Regulator Of G Protein Signaling 1 (RGS1) ELISA Kit | RGS1 elisa kit

Human Regulator Of G Protein Signaling 1 (RGS1) ELISA Kit

CATALOG #	REACTIVITY
AAA186353	**Human**

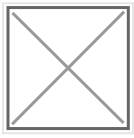
PRODUCT SYNONYMS

Regulator Of G Protein Signaling 1 (RGS1); Human Regulator Of G Protein Signaling 1 (RGS1) ELISA Kit; 1R20; BL34; IER1; IR20; B-cell activation protein BL34; Early response protein 1R20; RGS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Regulator Of G Protein Signaling 1 (RGS1). No significant cross-reactivity or interference between Regulator Of G Protein Signaling 1 (RGS1) and analogues was observed.
Sequence Length	209
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Regulator Of G Protein Signaling 1 (RGS1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Regulator Of G Protein Signaling 1 (RGS1) 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 RGS1 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 Regulator Of G Protein Signaling 1 (RGS1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Regulator Of G Protein Signaling 1 (RGS1). 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 Regulator Of G Protein Signaling 1 (RGS1), 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 Regulator Of G Protein Signaling 1 (RGS1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115387108
NCBI GeneID	5996
NCBI Accession #	NP_002913.3
NCBI GenBank Nucleotide #	NM_002922.3
UniProt Accession #	Q08116; Q07918; Q9H1W2; B2RDM9; B4DZY0
Molecular Weight	19,134 Da
NCBI Official Full Name	regulator of G-protein signaling 1
NCBI Official Synonym Full Names	regulator of G protein signaling 1
NCBI Official Symbol	RGS1
NCBI Official Synonym Symbols	1R20; BL34; IER1; IR20; HEL-S-87
NCBI Protein Information	regulator of G-protein signaling 1
UniProt Protein Name	Regulator of G-protein signaling 1
UniProt Gene Name	**RGS1**
UniProt Synonym Gene Names	1R20; BL34; IER1; RGS1

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/regulator-of-g-protein-signaling-1-rgs1/186353