

Human Regulator Of G-Protein Signaling 19 (RGS19) ELISA Kit | RGS19 elisa kit

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CATALOG #
AAA330999

REACTIVITY
Human

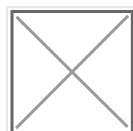
PRODUCT SYNONYMS

Regulator Of G-Protein Signaling 19 (RGS19); Human Regulator Of G-Protein Signaling 19 (RGS19) ELISA Kit; RGS19; GAIP; RGSGAIP; G alpha interacting protein; G protein signalling regulator 19; guanine nucleotide binding protein alpha inhibiting activity polypeptide 3 interacting protein; regulator of G-protein sig; RGS19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Regulator of G-protein signaling 19 (RGS19) ELISA Kit has high sensitivity and excellent specificity for detection of Human RGS19. No significant cross-reactivity or interference between Human RGS19 and analogues was observed.
Sequence Length	217
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Regulator of G-protein signaling 19 (RGS19) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RGS19 elisa kit	Description: This Human Regulator of G-protein signaling 19 (RGS19) ELISA Kit employs a two-site sandwich ELISA to quantitate RGS19 in samples. An antibody specific for RGS19 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RGS19 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RGS19 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RGS19 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Sequence analysis predicted that GAIP is a 24.6-kD, hydrophilic protein that lacks a transmembrane domain and contains multiple potential phosphorylation sites. GAIP shares approximately 31% amino acid identity with regulator of G protein signaling-1 (RGS1) and -2 (RGS2); the 125-amino acid core domains of GAIP, RGS1, and RGS2 share approximately 64% homology. Northern blot analysis detected a 1.6-kb GAIP transcript in lung, placenta, liver, heart, and pancreas, with almost no expression detected in brain, skeletal muscle, and kidney. Yeast 2-hybrid binding analyses showed that through its core domain, GAIP interacts strongly with GNAI3 and weakly with GNAI2, but does not interact with GNA11.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	86990435
NCBI GeneID	10287
NCBI Accession #	NP_001034556.1
NCBI GenBank Nucleotide #	NP_001034556.1
UniProt Accession #	P49795
NCBI Official Full Name	regulator of G-protein signaling 19
NCBI Official Synonym Full Names	regulator of G protein signaling 19
NCBI Official Symbol	RGS19
NCBI Official Synonym Symbols	GAIP; RGSGAIP
NCBI Protein Information	regulator of G-protein signaling 19
UniProt Protein Name	Regulator of G-protein signaling 19
UniProt Gene Name	RGS19
UniProt Synonym Gene Names	GAIP; GNAI3IP; RGS19; GAIP
UniProt Entry Name	RGS19_HUMAN

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-19-rgs19/330999>