

Human Guanylin (GUCA2A) ELISA Kit | GUCA2A elisa kit

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CATALOG #
AAA245855

REACTIVITY
Human

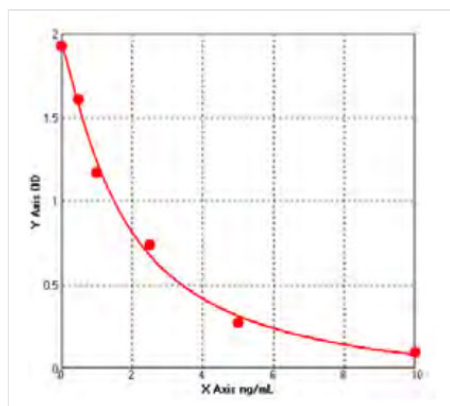
PRODUCT SYNONYMS

Guanylin (GUCA2A); Human Guanylin (GUCA2A) ELISA Kit; GUCA2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GUCA2A. No significant cross-reactivity or interference between GUCA2A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GUCA2A and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GUCA2A elisa kit	Principle of the Assay: GUCA2A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GUCA2A antibody and an GUCA2A-HRP conjugate. The assay sample and buffer are incubated together with GUCA2A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GUCA2A concentration since GUCA2A from samples and GUCA2A-HRP conjugate compete for the anti-GUCA2A antibody binding site. Since the number of sites is limited, as more sites are occupied by GUCA2A from the sample, fewer sites are left to bind GUCA2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GUCA2A concentration in each sample is interpolated from this standard curve. Intended Uses: This GUCA2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GUCA2A. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GUCA2A elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	38176149
NCBI GeneID	2980
NCBI Accession #	NP_291031.2
NCBI GenBank Nucleotide #	NM_033553.2
Molecular Weight	12,388 Da
NCBI Official Full Name	guanylin
NCBI Official Synonym Full Names	guanylate cyclase activator 2A (guanylin)
NCBI Official Symbol	GUCA2A
NCBI Official Synonym Symbols	GUCA2; STARA; GCAP-I
NCBI Protein Information	guanylin; prepro-guanylin; guanylate cyclase-activating protein 1; guanylate cyclase-activating protein I; guanylate cyclase activator 2A (guanylin 2, intestinal, heat-stable)
UniProt Protein Name	Guanylin
UniProt Gene Name	GUCA2A
UniProt Synonym Gene Names	GUCA2; GCAP-I
UniProt Entry Name	GUC2A_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.