

Human Guanylate Cyclase Activator 2A (GUCA2A) ELISA Kit | GUCA2A elisa kit

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CATALOG #
AAA64533

REACTIVITY
Human

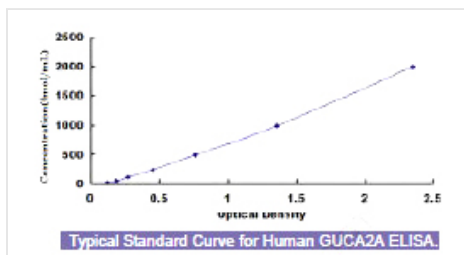
PRODUCT SYNONYMS

Guanylate Cyclase Activator 2A (GUCA2A); Human Guanylate Cyclase Activator 2A (GUCA2A) ELISA Kit; GUCA2; STARA; GCAP-I; Guanylin; Guanylate cyclase-activating protein 1; 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.
Sequence Length	115
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000fmol/mL
Sensitivity	8.78fmol/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GUCA2A 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 GUCA2A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GUCA2A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GUCA2A in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GUCA2A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GUCA2A. 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 GUCA2A, 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 GUCA2A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38176149
NCBI GeneID	2980
NCBI Accession #	NP_291031.2
NCBI GenBank Nucleotide #	NM_033553.2
UniProt Accession #	Q02747
Molecular Weight	12,388 Da
NCBI Official Full Name	guanylin
NCBI Official Synonym Full Names	guanylate cyclase activator 2A
NCBI Official Symbol	GUCA2A
NCBI Official Synonym Symbols	GUCA2; STARA; GCAP-I
NCBI Protein Information	guanylin
UniProt Protein Name	Guanylin
UniProt Gene Name	GUCA2A
UniProt Synonym Gene Names	GUCA2; GCAP-I

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/guanylate-cyclase-activator-2a-guca2a/64533>