

Human GATA Binding Protein 4 ELISA Kit | GATA4 elisa kit

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CATALOG #
AAA83191

REACTIVITY
Human

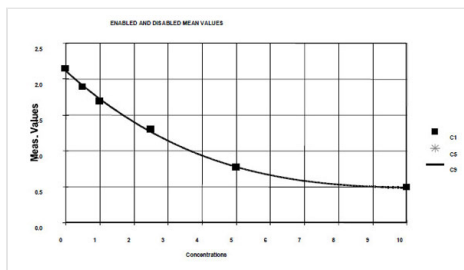
PRODUCT SYNONYMS

GATA Binding Protein 4; Human GATA Binding Protein 4 ELISA Kit; GATA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GATA4 elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This GATA4 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of GATA4 in the sample, this GATA4 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus GATA4 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of GATA4 utilizes a multiclonal anti-GATA4 antibody and an GATA4-HRP conjugate. The assay sample and buffer are incubated together with GATA4-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 GATA4 concentration since GATA4 from samples and GATA4-HRP conjugate compete for the anti-GATA4 antibody binding site. Since the number of sites is limited, as more sites are occupied by GATA4 from the sample, fewer sites are left to bind GATA4-HRP conjugate. Standards of known GATA4 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of GATA4. The GATA4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GATA4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	15232355
NCBI GeneID	825224
NCBI Accession #	NP_191612.1
NCBI GenBank Nucleotide #	NM_115917.4
Molecular Weight	26,467 Da
NCBI Official Full Name	GATA transcription factor 4
NCBI Official Symbol	GATA4
NCBI Official Synonym Symbols	GATA transcription factor 4; GATA4
NCBI Protein Information	GATA transcription factor 4
UniProt Protein Name	GATA transcription factor 4
UniProt Gene Name	GATA4
UniProt Synonym Gene Names	At3g60530; T8B10.190; AtGATA-4
UniProt Entry Name	GATA4_ARATH

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/gata4-human-elisa-kits/gata-binding-protein-4/83191>