

Human GATA4 (GATA Binding Protein 4) ELISA Kit | GATA4 elisa kit

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CATALOG #
AAA277668

REACTIVITY
Human

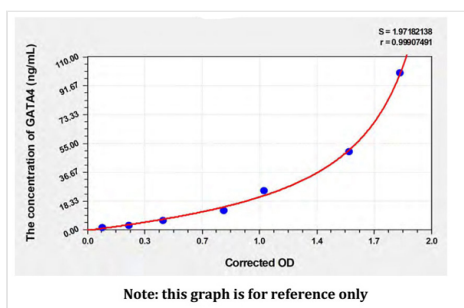
PRODUCT SYNONYMS

GATA4 (GATA Binding Protein 4); Human GATA4 (GATA Binding Protein 4) ELISA Kit; Transcription factor GATA-4; GATA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human GATA4. No significant cross-reactivity or interference between Human GATA4 and analogues was observed.
Assay Type	Sandwich
Detection Range	1.56-100 ng/mL
Sensitivity	0.68 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GATA4 elisa kit

Principle of the Assay: 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 Human GATA4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human GATA4. 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 Human GATA4, 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 $\pm$ 10nm. The concentration of Human GATA4 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33188461
NCBI GeneID	2626
NCBI Accession #	NP_002043.2
NCBI GenBank Nucleotide #	NM_002052.3
UniProt Accession #	P43694; Q3MJ45; Q5IFM8; B7ZKX0
Molecular Weight	44,565 Da
NCBI Official Full Name	transcription factor GATA-4
NCBI Official Synonym Full Names	GATA binding protein 4
NCBI Official Symbol	GATA4
NCBI Official Synonym Symbols	ASD2; VSD1
NCBI Protein Information	transcription factor GATA-4; GATA-binding factor 4
UniProt Protein Name	Transcription factor GATA-4
UniProt Gene Name	GATA4
UniProt Entry Name	GATA4_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://www.aaabiotech.com/human-elisa-kits/gata4-gata-binding-protein-4/277668>