

Rat GATA1 (GATA Binding Protein 1) ELISA Kit | GATA1 elisa kit

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CATALOG #
AAA277791

REACTIVITY
Rat

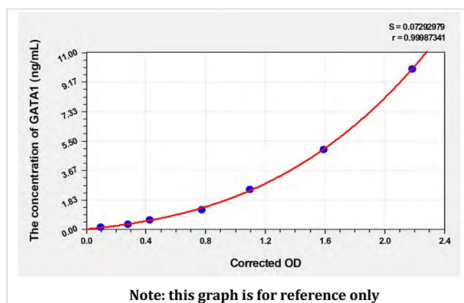
PRODUCT SYNONYMS

GATA1 (GATA Binding Protein 1); Rat GATA1 (GATA Binding Protein 1) ELISA Kit; Eryf1; GATA-binding factor 1 (GATA-1; GF-1); NF-E1 DNA-binding protein; GATA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat GATA1. No significant cross-reactivity or interference between Rat GATA1 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.076 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 GATA1 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 Rat GATA1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat GATA1. 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 Rat GATA1, 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 Rat GATA1 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978877
NCBI GeneID	25172
NCBI Accession #	NP_036896.1
NCBI GenBank Nucleotide #	NM_012764.1
UniProt Accession #	P43429
Molecular Weight	42,871 Da
NCBI Official Full Name	erythroid transcription factor
NCBI Official Synonym Full Names	GATA binding protein 1
NCBI Official Symbol	Gata1
NCBI Official Synonym Symbols	Eryf1
NCBI Protein Information	erythroid transcription factor
UniProt Protein Name	Erythroid transcription factor
UniProt Gene Name	Gata1
UniProt Synonym Gene Names	GATA-1; GF-1

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/rat-elisa-kits/gata1-gata-binding-protein-1/277791>