

Human GATA Binding Protein 1 ELISA Kit | GATA1 elisa kit

Human GATA Binding Protein 1 ELISA Kit

CATALOG #
AAA87250

REACTIVITY
Human

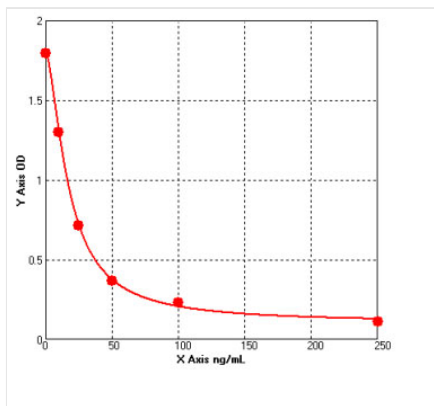
PRODUCT SYNONYMS

GATA Binding Protein 1; Human GATA Binding Protein 1 ELISA Kit; GATA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GATA1. No significant cross-reactivity or interference between GATA1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GATA1 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GATA1 elisa kit	Principle of the Assay: GATA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GATA1 antibody and an GATA1-HRP conjugate. The assay sample and buffer are incubated together with GATA1-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 GATA1 concentration since GATA1 from samples and GATA1-HRP conjugate compete for the anti-GATA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GATA1 from the sample, fewer sites are left to bind GATA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GATA1 concentration in each sample is interpolated from this standard curve. Intended Uses: This GATA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GATA1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GATA1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	14602571
NCBI GeneID	2623
Molecular Weight	34,232 Da
NCBI Official Full Name	GATA1 protein
NCBI Official Synonym Full Names	GATA binding protein 1 (globin transcription factor 1)
NCBI Official Symbol	GATA1
NCBI Official Synonym Symbols	GF1; GF-1; NFE1; XLTT; ERYF1; NF-E1; XLANP; XLTDA; GATA-1
NCBI Protein Information	erythroid transcription factor; GATA-binding factor 1; NF-E1 DNA-binding protein; transcription factor GATA1; nuclear factor, erythroid 1; globin transcription factor 1; erythroid transcription factor 1
UniProt Protein Name	Erythroid transcription factor
UniProt Gene Name	GATA1
UniProt Synonym Gene Names	ERYF1; GF1; GATA-1; GF-1
UniProt Entry Name	GATA1_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.