

Human Early Growth Response Protein 1 ELISA Kit | EGR1 elisa kit

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CATALOG #
AAA86782

REACTIVITY
Human

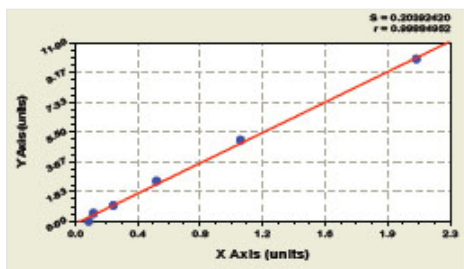
PRODUCT SYNONYMS

Early Growth Response Protein 1; Human Early Growth Response Protein 1 ELISA Kit; EGR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This EGR-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human EGR-1. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EGR1 elisa kit

Principle of the Assay: EGR-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for EGR-1. Standards or samples are then added to the microtiter plate wells and EGR-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of EGR-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for EGR-1 are added to each well to "sandwich" the EGR-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain EGR-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EGR-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119582540
NCBI GeneID	1958
Molecular Weight	57,507 Da
NCBI Official Full Name	early growth response 1, isoform CRA_b
NCBI Official Synonym Full Names	early growth response 1
NCBI Official Symbol	EGR1
NCBI Official Synonym Symbols	TIS8; AT225; G0S30; NGFI-A; ZNF225; KROX-24; ZIF-268
NCBI Protein Information	early growth response protein 1; EGR-1; zinc finger protein 225; transcription factor ETR103; transcription factor Zif268; zinc finger protein Krox-24; nerve growth factor-induced protein A
UniProt Protein Name	Early growth response protein 1
UniProt Gene Name	EGR1
UniProt Synonym Gene Names	KROX24; ZNF225; EGR-1; NGFI-A
UniProt Entry Name	EGR1_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/egr1-human-elisa-kits/early-growth-response-protein-1/86782>