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

Porcine Early Growth Response Protein 1 ELISA Kit

CATALOG #	REACTIVITY
AAA88463	**Porcine**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This EGR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine EGR1. This ELISA kit for research use only, not for therapeutic applications!
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:** EGR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-EGR1 antibody and an EGR1-HRP conjugate. The assay sample and buffer are incubated together with EGR1-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 EGR1 concentration since EGR1 from samples and EGR1-HRP conjugate compete for the anti-EGR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by EGR1 from the sample, fewer sites are left to bind EGR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EGR1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for EGR1 elisa kit	Signal Transduction

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://stage.aaabiotech.com/egr1-porcine-elisa-kits/early-growth-response-protein-1/88463