

Mouse Early Growth Response Protein 2 ELISA Kit | EGR2 elisa kit

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CATALOG #
AAA82163

REACTIVITY
Mouse

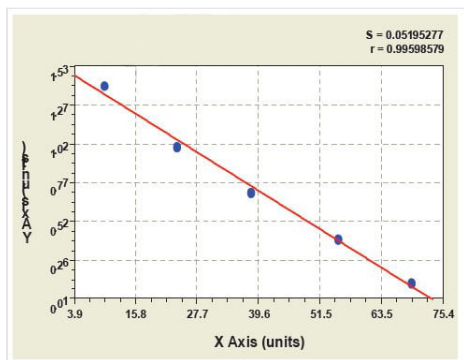
PRODUCT SYNONYMS

Early Growth Response Protein 2; Mouse Early Growth Response Protein 2 ELISA Kit; EGR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This we are EGR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse EGR2. 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 EGR2 elisa kit

Principle of the Assay: EGR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-EGR2 antibody and an EGR2-HRP conjugate. The assay sample and buffer are incubated together with EGR2-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 EGR2 concentration since EGR2 from samples and EGR2-HRP conjugate compete for the anti-EGR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by EGR2 from the sample, fewer sites are left to bind EGR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EGR2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209969755
NCBI GeneID	1959
NCBI Accession #	NP_001129650.1
NCBI GenBank Nucleotide #	NM_001136178.1
Molecular Weight	44,970 Da
NCBI Official Full Name	E3 SUMO-protein ligase EGR2 isoform a
NCBI Official Synonym Full Names	early growth response 2
NCBI Official Symbol	EGR2
NCBI Official Synonym Symbols	AT591; CMT1D; CMT4E; KROX20
NCBI Protein Information	E3 SUMO-protein ligase EGR2; zinc finger protein Krox-20; early growth response protein 2; KROX-20, Drosophila, homolog (early growth response-2)
UniProt Protein Name	E3 SUMO-protein ligase EGR2
UniProt Gene Name	EGR2
UniProt Synonym Gene Names	KROX20; EGR-2
UniProt Entry Name	EGR2_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.