

## Rat Early Growth Response Protein 1 ELISA Kit | EGR1 elisa kit

Rat Early Growth Response Protein 1 ELISA Kit

CATALOG #  
**AAA87673**

REACTIVITY  
**Rat**

### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Sandwich                                                                   |
| Detection Range         | 0.5-10ng/mL                                                                |
| Sensitivity             | 0.1ng/ml                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for EGR1 elisa kit

Intended Uses: This EGR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat EGR1.

Principle of the Assay: EGR1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for EGR1. Standards or samples are then added to the microtiter plate wells and EGR1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of EGR1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for EGR1 are added to each well to "sandwich" the EGR1 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 EGR1 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 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                | <b>EGR1</b>                                                                                                                                                                                   |
| 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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