

## Rat Erythropoitin ELISA Kit | EPO elisa kit

Rat Erythropoitin ELISA Kit

CATALOG #  
**AAA16622**

REACTIVITY  
**Rat**

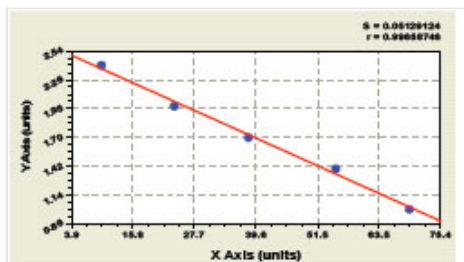
### PRODUCT SYNONYMS

Erythropoitin; Rat Erythropoitin ELISA Kit; EPO elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                         |
| Assay Type              | Competitive or Sandwich                                                                                                                                                            |
| Detection Range         | 10-250mIU/mL                                                                                                                                                                       |
| Sensitivity             | 1.0 mIU/ml                                                                                                                                                                         |
| Intended Uses           | This EPO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat EPO. 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 EPO elisa kit

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

### NCBI AND UNIPROT INFORMATION

NCBI GI #

62240997

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GeneID                      | <a href="#">2056</a>        |
| NCBI Accession #                 | <a href="#">NP_000790.2</a> |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000799.2</a> |
| Molecular Weight                 | 21,307 Da                   |
| NCBI Official Full Name          | erythropoietin              |
| NCBI Official Synonym Full Names | erythropoietin              |
| NCBI Official Symbol             | EPO                         |
| NCBI Official Synonym Symbols    | EP; MVCD2                   |
| NCBI Protein Information         | erythropoietin; epoetin     |
| UniProt Protein Name             | Erythropoietin              |
| UniProt Gene Name                | <b>EPO</b>                  |
| UniProt Entry Name               | EPO_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/epo-rat-elisa-kits/erythropoietin/16622>