

Rat EPO ELISA Kit | EPO elisa kit

Rat EPO ELISA Kit

CATALOG # AAA261686	REACTIVITY Rat	APPLICATIONS ELISA
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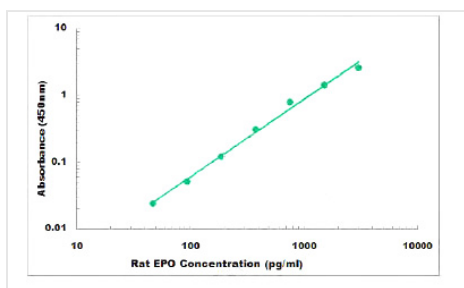
PRODUCT SYNONYMS

EPO; Rat EPO ELISA Kit; Erythropoietin; Epoetin; EPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat EPO ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat EPO proteins within the range of 46.9 pg/ml - 3000 pg/ml.
Sequence Length	192
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates.
Sensitivity	10 pg/ml.
Applicable Applications for EPO elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPO elisa kit	Principle of the Assay The Rat EPO ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat EPO in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Rat EPO coated on a 96-well plate. Standards and samples are pipetted into the wells and EPO present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat EPO antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of EPO bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Erythropoietin, EPO, also known as hematopoietin or hemopoietin, is a glycoprotein hormone that controls erythropoiesis, or red blood cell production. It is a cytokine for erythrocyte (red blood cell) precursors in the bone marrow. This gene is mapped to 7q22. It is said that the EPO gene encodes a deduced 193-amino acid propolypeptide. This hormone can be found in kidney and liver. It is the hormone that regulates red blood cell production. And it plays an important role in the brain's response to neuronal injury. What's more, EPO is also involved in the wound healing process.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	232064
NCBI GeneID	24335
UniProt Accession #	P29676; P70504
Molecular Weight	21,286 Da
NCBI Official Full Name	Erythropoietin
NCBI Official Synonym Full Names	erythropoietin
NCBI Official Symbol	Epo
NCBI Protein Information	erythropoietin
UniProt Protein Name	Erythropoietin
UniProt Gene Name	Epo
UniProt Entry Name	EPO_RAT

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/rat-elisa-kits/epo/261686>