

Rat Erythropoitin ELISA Kit | EPO elisa kit

Rat Erythropoitin ELISA Kit

CATALOG #
AAA16622

REACTIVITY
Rat

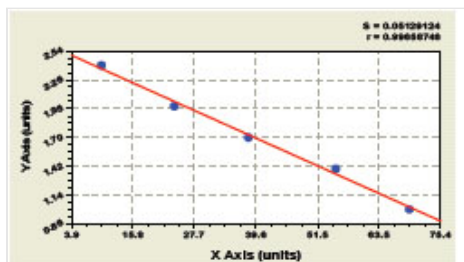
PRODUCT SYNONYMS

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	2056
NCBI Accession #	NP_000790.2
NCBI GenBank Nucleotide #	NM_000799.2
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	EPO
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/epo-rat-elisa-kits/erythropoietin/16622>