

Rabbit Erythropoietin Receptor ELISA Kit | EPOR elisa kit

Rabbit Erythropoietin Receptor ELISA Kit

CATALOG #
AAA84631

REACTIVITY
Rabbit

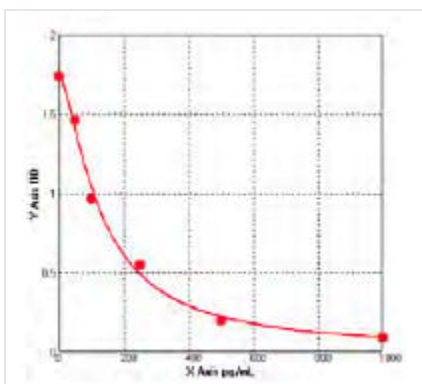
PRODUCT SYNONYMS

Erythropoietin Receptor; Rabbit Erythropoietin Receptor ELISA Kit; EPOR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPOR elisa kit

Intended Uses: This EPO-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human EPO-Ab. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503591
NCBI GeneID	2057
NCBI Accession #	NP_000112.1
NCBI GenBank Nucleotide #	NM_000121.3
Molecular Weight	35,809 Da
NCBI Official Full Name	erythropoietin receptor
NCBI Official Synonym Full Names	erythropoietin receptor
NCBI Official Symbol	EPOR
NCBI Official Synonym Symbols	EPO-R
NCBI Protein Information	erythropoietin receptor
UniProt Protein Name	Erythropoietin receptor
UniProt Gene Name	EPOR
UniProt Synonym Gene Names	EPO-R
UniProt Entry Name	EPOR_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.