

Rat EPO ELISA Kit | EPO elisa kit

Rat EPO PicoKine ELISA Kit

CATALOG #
AAA45995

REACTIVITY
Rat

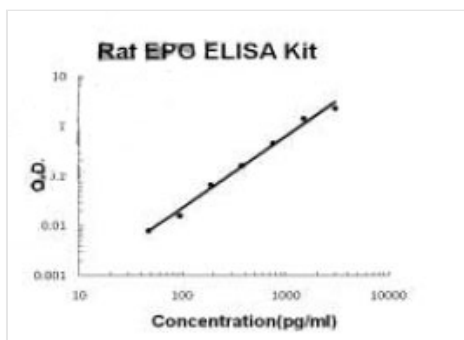
PRODUCT SYNONYMS

EPO; Rat EPO PicoKine ELISA Kit; Erythropoietin; erythropoietin; EP; EPO alpha; Epoetin; Erythropoetin; Erythropoietin precursor; MGC138142; EPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Cxadr
Sequence Length	192
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta, Citrate
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPO elisa kit

Principle of the Assay: The Picokine Rat Cxadr Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Cxadr with a 96-well strip plate that is pre-coated with antibody specific for Cxadr. The detection antibody is a biotinylated antibody specific for Cxadr. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Rat Cxadr with immunogen: Expression system for standard: NSO, Immunogen sequence: L20-G237. The kit is analytically validated with ready to use reagents. To measure Rat Cxadr, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Cxadr in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Cxadr in the sample!!Background/Introduction: CXADR(Coxsackie virus and adenovirus receptor) is a protein that in humans is encoded by the CXADR gene, also known as CAR,CVB3-binding protein, this gene is mapped to 11q11. Coxsackievirus B-adenovirus receptor. The CAR cDNA encodes a predicted 365-amino acid polypeptide that contains a single transmembrane domain and is a member of the immunoglobulin superfamily. By Northern blot analysis, they detected highest expression of 1.4-kb and 6-kb CXADR transcripts in pancreas, brain, heart, small intestine, testis, and prostate, lower expression in liver and lung, and no expression in kidney, placenta, peripheral blood leukocytes, thymus, and spleen. In comparison, mouse Cxadr showed highest expression in liver, and lower levels in kidney, heart, lung, and brain. The protein encoded by this gene is a type I membrane receptor for group B coxsackie viruses and subgroup C adenoviruses. Pseudogenes of this gene are found on chromosomes 15, 18, and 21. CAR is strongly expressed in the developing central nervous system. It functions as a homophilic and also as a heterophilic cell adhesion molecule through its interactions with extracellular matrix glycoproteins, such as: fibronectin, agrin, laminin-1 and tenascin-R.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/epo/45995>