

Mouse EPO ELISA Kit | EPO elisa kit

Mouse EPO PicoKine ELISA Kit

CATALOG #
AAA45211

REACTIVITY
Mouse

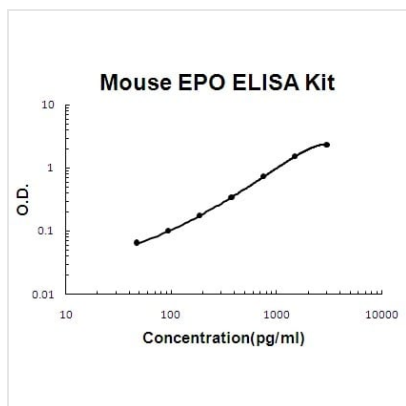
PRODUCT SYNONYMS

EPO; Mouse EPO PicoKine ELISA Kit; Erythropoietin; erythropoietin; EP; EPO_HUMAN; Epoetin; MVCD2; EPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse EPO
Sequence Length	192
Samples	Cell culture supernates, serum, plasma (heparin) and tissue homogenates
Assay Type	Sandwich
Detection Range	46.9pg/ml-3000pg/ml
Sensitivity	< 15pg/ml
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)

Mouse EPO PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for EPO elisa kit

Principle of the assay: mouse EPO ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for EPO has been precoated onto 96-well plates. Standards (NSO,A27-R192)and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for EPO is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse EPO amount of sample captured in plate.

Background: 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. Its gene is mapped to 7q22. It is said that the EPO gene encodes a deduced 193-amino acid polypeptide. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119528
NCBI GeneID	13856
UniProt Accession #	P07321
Molecular Weight	21,365 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_MOUSE

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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