

Horse Erythropoietin (EPO) ELISA Kit | EPO elisa kit

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CATALOG #
AAA67225

REACTIVITY
Horse

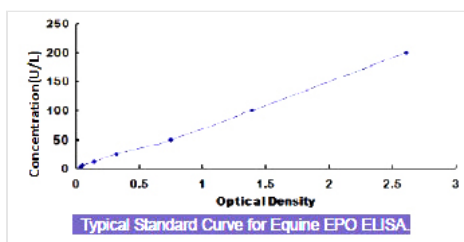
PRODUCT SYNONYMS

Erythropoietin (EPO); Horse Erythropoietin (EPO) ELISA Kit; EP; Epoetin; Erythropoetin; Hematopoietin; Hemopoietin; EPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Horse
Specificity	This assay has high sensitivity and excellent specificity for detection of EPO. No significant cross-reactivity or interference between EPO and analogues was observed.
Sequence Length	192
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200U/L
Sensitivity	1.37U/L
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EPO were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level EPO were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPO elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EPO in Equine serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EPO. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EPO. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain EPO, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of EPO in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126352399
NCBI GeneID	100033849
NCBI Accession #	NP_001075294.1
NCBI GenBank Nucleotide #	NM_001081825.1
UniProt Accession #	Q867B1
Molecular Weight	20,984 Da
NCBI Official Full Name	erythropoietin
NCBI Official Symbol	EPO
NCBI Protein Information	erythropoietin
UniProt Protein Name	Erythropoietin
UniProt Gene Name	EPO

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://stage.aaabiotech.com/horse-elisa-kits/erythropoietin-epo/67225>