

Cat Erythropoietin ELISA Kit | EPO elisa kit

Cat Erythropoietin (EPO) ELISA Kit

CATALOG #
AAA55928

REACTIVITY
Cat

PRODUCT SYNONYMS

Erythropoietin; Cat Erythropoietin (EPO) ELISA Kit; EP; MGC138142; MVCD2; epoetin; EPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Cat
Specificity	This assay has high sensitivity and excellent specificity for detection of Cat EPO. No significant cross-reactivity or interference between Cat EPO and analogues was observed.
Sequence Length	193
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.156 ng/mL - 10 ng/mL
Sensitivity	0.078 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for EPO elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate EPO in Cat serum, plasma. An antibody specific for EPO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any EPO present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EPO is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of EPO bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Cat Erythropoietin (EPO) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57163805
NCBI GeneID	493801
NCBI Accession #	NP_001009269.1
NCBI GenBank Nucleotide #	NM_001009269.1
UniProt Accession #	P33708

Molecular Weight	20,914 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://www.aaabiotech.com/epo-cat-elisa-kits/erythropoietin/55928>