

Human anti-EPO antibody (anti-Erythropoietin antibody) ELISA Kit | EPO elisa kit

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CATALOG #
AAA27532

REACTIVITY
Human

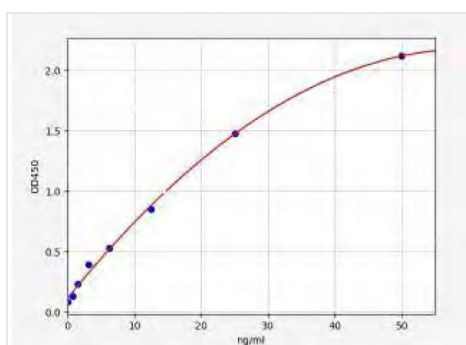
PRODUCT SYNONYMS

anti-EPO antibody (anti-Erythropoietin antibody); Human anti-EPO antibody (anti-Erythropoietin antibody) ELISA Kit; EPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize anti-EPO antibody, no obvious cross reaction with other analogues
Sequence Length	193
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPO elisa kit	Background: Anti-erythropoietin (anti-EPO) antibody-mediated pure red cell aplasia (PRCA) is a rarely seen disease, Pure red cell aplasia defined as severe anemia secondary to the virtual absence of red blood cell precursors in the bone marrow. The treatment against anti-EPO antibody-mediated PRCA included discontinuation of rHuEPO, immunosuppressive agents, intravenous immunoglobulin, plasmapheresis, or kidney transplantation. Principle of the Assay: This kit was based on indirect enzyme-linked immune-sorbent assay technology. Antigen was pre-coated onto the 96-well plate. The HRP conjugated antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, HRP detection antibody was added to wells. After washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding acidic stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of target antigen in the sample is positively correlated with OD450 and can be calculated by plotting the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62240997
NCBI GeneID	2056
NCBI Accession #	NP_000790.2
NCBI GenBank Nucleotide #	NM_000799.2
UniProt Accession #	P01588; Q2M2L6; Q549U2; Q9UDZ0; Q9UEZ5; Q9UHA0
Molecular Weight	21,307 Da
NCBI Official Full Name	erythropoietin
NCBI Official Synonym Full Names	erythropoietin
NCBI Official Symbol	EPO
NCBI Official Synonym Symbols	EP; MVCD2
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/human-elisa-kits/anti-epo-antibody-anti-erythropoietin-antibody/27532>