

Human EPOR/Erythropoietin Receptor ELISA Kit | EPOR elisa kit

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CATALOG #
AAA258380

REACTIVITY
Human

PRODUCT SYNONYMS

EPOR/Erythropoietin Receptor; Human EPOR/Erythropoietin Receptor ELISA Kit; CD86 ELISA Kit; Human; erythropoietin receptor; EPO-R ELISA Kit; EPOR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human EPOR/Erythropoietin Receptor concentration in serum and cell lysate.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	6.25-400pg/mL
Sensitivity	2.68pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

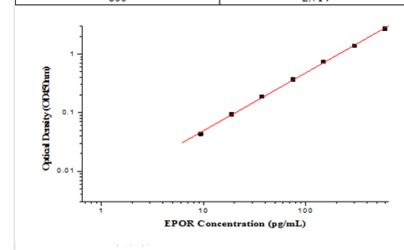
IMAGES

Recombinant human			
IL1	IL2	IL33	IL10
IL8	PDGF	TNF- α	IL4
IL6	IFN- γ	VEGF	MIP-1 β
TIMP1	TIMP2	GM-CSF	SCF
Epo			
Recombinant mouse			
EPOR			

Application Data

This assay recognizes both recombinant and natural Human EPOR. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
9.38	0.043
18.75	0.094
37.5	0.190
75	0.367
150	0.743
300	1.379
600	2.714



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for EPOR elisa kit	This CD86 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human CD86 protein in Serum. It contains recombinant Human CD86, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Erythropoietin (EPO) is the major glycoprotein hormone regulator of mammalian erythropoiesis, and is produced by kidney and liver in an oxygen-dependent manner. The biological effects of EPO are mediated by the specific erythropoietin receptor (EPOR/EPO Receptor) on bone marrow erythroblasts, which transmits signals important for both proliferation and differentiation along the erythroid lineage. EPOR protein is a type I single-transmembrane cytokine receptor, and belongs to the homodimerizing subclass which functions as ligand-induced or ligand-stabilized homodimers. EPOR signaling prevents neuronal death and ischemic injury. Recent studies have shown that EPO and EPOR protein may be involved in carcinogenesis, angiogenesis, and invasion.
References	Divoky V, et al. (2002) Mouse surviving solely on human erythropoietin receptor (EpoR): model of human EpoR-linked disease. Blood 99(10): 3873-4. Carruthers SG. (2009) A truncated erythropoietin receptor EPOR-T is associated with hypertension susceptibility. Clin Pharmacol Ther. 86(2): 134-6. Baltaziak M, et al. (2009) Relationships of P53 and Bak with EPO and EPOR in human colorectal cancer. Anticancer Res. 29(10):4151-6.

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/human-elisa-kits/epor-erythropoietin-receptor/258380>