

ARG81897 Rat EPO ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81897-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81897-002	Standard	2 X 10 ng/vial	4°C
ARG81897-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81897-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81897-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81897-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81897-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81897-008	25X Wash buffer	20 ml	4°C
ARG81897-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81897-010	STOP solution	10 ml (Ready to use)	4°C
ARG81897-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81897 Rat EPO ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat EPO in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	EPO
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.45 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	46.9 - 3000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0%; Inter-Assay CV: 7.2%
Alternate Names	MVCD2; EP; Epoetin; Erythropoietin

Application Instructions

Assay Time	~ 5 hours
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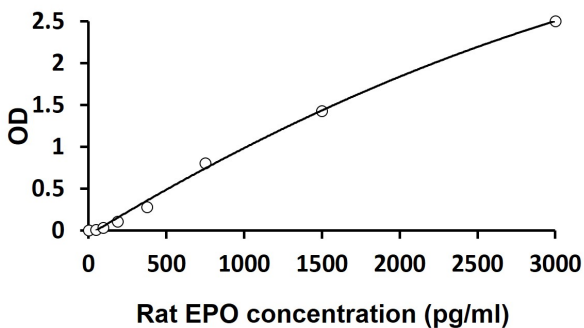
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	EPO
Gene Full Name	erythropoietin
Background	This gene is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types. [provided by RefSeq, Jul 2008]
Function	Erythropoietin is the principal hormone involved in the regulation of erythrocyte differentiation and the maintenance of a physiological level of circulating erythrocyte mass. [UniProt]
Highlight	Related products: EPO antibodies ; EPO ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81897 Rat EPO ELISA Kit standard curve image

ARG81897 Rat EPO ELISA Kit results of a typical standard run with optical density reading at 450 nm.