

ARG81967 Rat Angiopoietin 2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81967-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81967-002	Standard	2 X 10 ng/vial	4°C
ARG81967-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81967-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81967-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81967-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81967-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81967-008	25X Wash buffer	20 ml	4°C
ARG81967-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81967-010	STOP solution	10 ml (Ready to use)	4°C
ARG81967-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81967 Rat Angiopoietin 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Angiopoietin 2 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Angiopoietin 2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.8%; Inter-Assay CV: 7.0%
Alternate Names	ANG-2; Angiopoietin-2; ANG2; AGPT2

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	ANGPT2
Gene Full Name	angiopoietin 2
Background	The protein encoded by this gene is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. In the absence of angiogenic inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal. [UniProt]
Highlight	Related products: Angiopoietin antibodies ; Angiopoietin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images

