

ARG82343 Rat NRP2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82343-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82343-002	Standard	2 X 10 ng/vial	4°C
ARG82343-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82343-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82343-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82343-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82343-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82343-008	25X Wash buffer	20 ml	4°C
ARG82343-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82343-010	STOP solution	10 ml (Ready to use)	4°C
ARG82343-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82343 Rat NRP2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat NRP2 in cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	NRP2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.8% Inter-Assay CV: 5.7%

Application Instructions

Assay Time ~ 5 hours

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 NRP2

Gene Full Name neuropilin 2

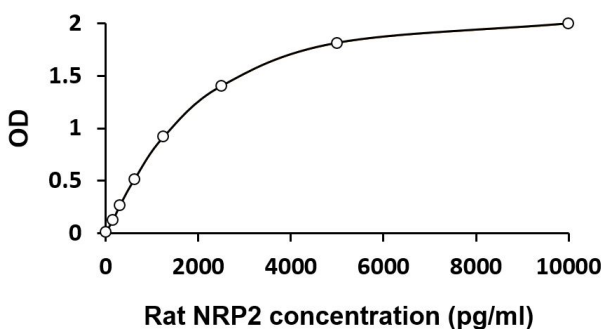
Background This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Function High affinity receptor for semaphorins 3C, 3F, VEGF-165 and VEGF-145 isoforms of VEGF, and the PLGF-2 isoform of PGF. [UniProt]

Highlight Related products:
[NRP2 antibodies](#); [NRP2 ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Membrane; Single-pass type I membrane protein. Isoform s9: Secreted. [UniProt]

Images



ARG82343 Rat NRP2 ELISA Kit standard curve image

ARG82343 Rat NRP2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.