

ARG82587 Human NRP2 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82587 Human NRP2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human NRP2 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This kit could assay both natural and recombinant Human NRP2. No significant cross-reactivity or interference was observed in the following samples: Human: IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, TGF beta 1, TNF alpha and VEGF. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.
Target Name	NRP2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.08 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.16 - 10 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 5.6%
Alternate Names	PRO2714; Neuropilin-2; Vascular endothelial cell growth factor 165 receptor 2; NPN2; NP2; VEGF165R2

Application Instructions

Assay Time ~ 3.5 hours

Properties

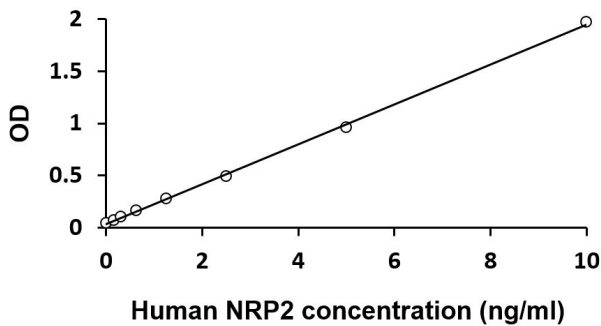
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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



ARG82587 Human NRP2 ELISA Kit standard curve image

ARG82587 Human NRP2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.