

ARG80124 Human VEGF ELISA Kit

Package: 96 wells

Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80124-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80124-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80124-003	Standard diluent buffer	20 ml	4°C
ARG80124-004	Antibody conjugate concentrate	400 µl	4°C
ARG80124-005	Antibody diluent buffer	16 ml	4°C
ARG80124-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80124-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80124-008	20X Wash buffer	50 ml	4°C
ARG80124-009	TMB substrate	12ml	4°C (Protect from light)
ARG80124-010	STOP solution	12ml	4°C
ARG80124-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80124 Human VEGF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human VEGF in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human VEGF-D
Target Name	VEGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	8 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	CV: less than 10%
Alternate Names	MVCD1; Vascular permeability factor; VEGF-A; VPF; VEGF; Vascular endothelial growth factor A

Application Instructions

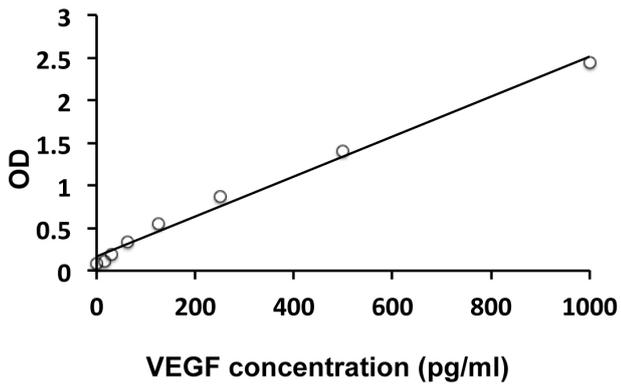
Assay Time	4 hours
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Properties

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

Database links	GeneID: 7422 Human Swiss-port # P15692 Human
Gene Symbol	VEGFA
Gene Full Name	vascular endothelial growth factor A
Background	This gene product is a member of the PDGF/VEGF growth factor family. It is a mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis, endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Also, alternative translation initiation from non-AUG (CUG) and AUG start sites in some transcript variants, give rise to additional isoforms. [provided by RefSeq, Jul 2008]
Highlight	<p>Related products: VEGF antibodies; VEGF ELISA Kits; VEGF Duos / Panels; VEGF recombinant proteins;</p> <p>Related news: Vascular development is regulated by FGF-dependent metabolic control Detecting MMPs and their non-ECM substrates The role of HDGF in tumor angiogenesis</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Metabolism kit; Signaling Transduction kit



ARG80124 Human VEGF ELISA Kit standard curve image

ARG80124 Human VEGF ELISA Kit results of a typical standard run with optical density reading at 450 nm.