

ARG81430 Human VEGFC ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81430-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81430-002	Standard	2 X 10 ng/vial	4°C
ARG81430-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81430-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81430-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81430-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81430-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81430-008	25X Wash buffer	20 ml	4°C
ARG81430-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81430-010	STOP solution	10 ml (Ready to use)	4°C
ARG81430-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81430 Human VEGFC ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human VEGFC in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	VEGFC
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6% Inter-Assay CV: 6.8%
Alternate Names	VRP; Flt4-L; VEGF-C; Vascular endothelial growth factor-related protein; Flt4 ligand; Vascular endothelial growth factor C; LMPH1D

Application Instructions

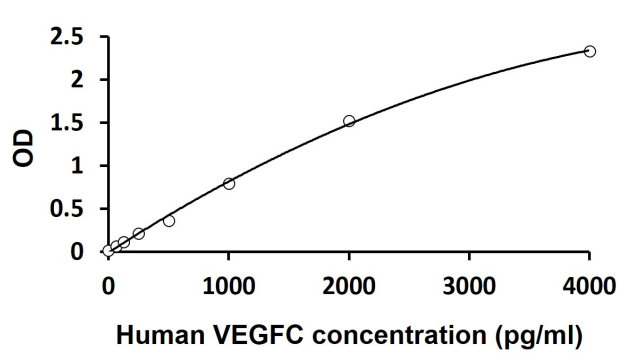
Assay Time	~ 5 hours
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Properties

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	VEGFC
Gene Full Name	vascular endothelial growth factor C
Background	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. The encoded protein promotes angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. The proprotein is further cleaved into a fully processed form that can bind and activate VEGFR-2 and VEGFR-3 receptors. [provided by RefSeq, Apr 2014]
Function	Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors. [UniProt]
Highlight	Related products: VEGF antibodies ; VEGF ELISA Kits ; VEGF Duos / Panels ; VEGF recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Undergoes a complex proteolytic maturation which generates a variety of processed secreted forms with increased activity toward VEGFR-3, but only the fully processed form could activate VEGFR-2. VEGF-C first form an antiparallel homodimer linked by disulfide bonds. Before secretion, a cleavage occurs between Arg-227 and Ser-228 producing a heterotetramer. The next extracellular step of the processing removes the N-terminal propeptide. Finally the mature VEGF-C is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent interactions. [UniProt]



ARG81430 Human VEGFC ELISA Kit standard curve image

ARG81430 Human VEGFC ELISA Kit results of a typical standard run with optical density reading at 450 nm.