

## ARG82584 Human VEGFD ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG82584 Human VEGFD ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human VEGFD in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This kit could assay both natural and recombinant Human VEGFD.  No significant cross-reactivity or interference was observed in the following samples: Human: beta NGF, EGF, FGF acidic, FGF basic, HB-EGF, HGF, IGF1, IGF2, KGF, TGF beta 1, PD-ECGF, PDGF AA, PDGF AB, PDGF BB, PIGF, VEGF, VEGFC, VEGF R2 and VEGF R3. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A, TNF alpha, VEGFD and VEGF R3. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.
Target Name	VEGFD
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.3 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	50 µl
Precision	Intra-Assay CV: 2.1% Inter-Assay CV: 3.2%
Alternate Names	Vascular endothelial growth factor D; VEGFD; c-Fos-induced growth factor; FIGF; VEGF-D

### Application Instructions

Assay Time	~ 3.5 hours
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### Properties

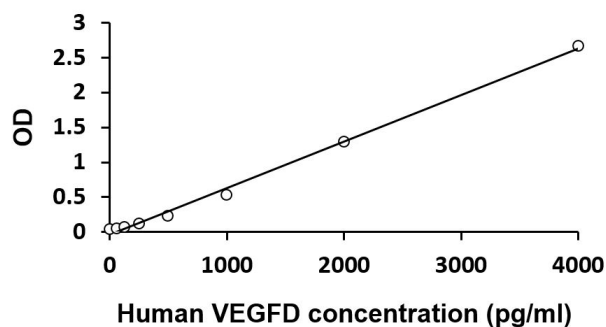
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

### Bioinformation

Gene Symbol	FIGF
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Gene Full Name	c-fos induced growth factor (vascular endothelial growth factor D)
Background	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C. Read-through transcription has been observed between this locus and the upstream PIR (GeneID 8544) locus. [provided by RefSeq, Feb 2011]
Function	Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation 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: <a href="#">VEGF antibodies</a> ; <a href="#">VEGF ELISA Kits</a> ; <a href="#">VEGF Duos / Panels</a> ; <a href="#">VEGF recombinant proteins</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Undergoes a complex proteolytic maturation which generates a variety of processed secreted forms with increased activity toward VEGFR-3 and VEGFR-2. VEGF-D first form an antiparallel homodimer linked by disulfide bonds before secretion. The fully processed VEGF-D is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent interactions. [UniProt]
Cellular Localization	Secreted. [UniProt]

## Images



ARG82584 Human VEGFD ELISA Kit standard curve image

ARG82584 Human VEGFD ELISA Kit results of a typical standard run with optical density reading at 450 nm.