

ARG82258 Human VEGFB ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82258 Human VEGFB ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human VEGFB in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	The following recombinant Human proteins were tested and exhibited no cross-reactivity or interference: ApoA1, BMP1, BMP2, BMP3, BMP4, BMP7, CRP, HGF, HSP27, IL1 alpha, IL1 RI, IL1 beta, IL1RA, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL13, IL15, IL17C, IL21, IL23, IFN gamma, MMP2, sIL2R, sIL6R, PDGF, PLA2G7, prolactin, TGF beta 1, TGF beta 2, TGF beta 3, TLR1, TLR2, TLR3, TNF alpha, TNF RI, TNF RII, VEGFA.
Target Name	VEGFB
Conjugation	HRP
Conjugation Note	Read at 450 nm.
Sensitivity	16 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	31 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6% Inter-Assay CV: 9%
Alternate Names	VEGF-related factor; VEGFL; VEGF-B; VRF; Vascular endothelial growth factor B

Application Instructions

Assay Time	~ 3 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.

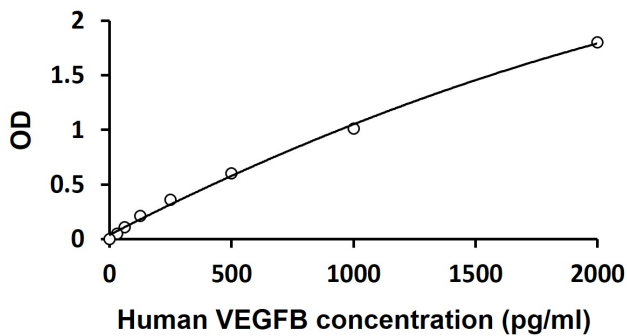
Bioinformation

Gene Symbol	VEGFB
Gene Full Name	vascular endothelial growth factor B
Background	This gene encodes a member of the PDGF (platelet-derived growth factor)/VEGF (vascular endothelial

growth factor) family. The VEGF family members regulate the formation of blood vessels and are involved in endothelial cell physiology. This member is a ligand for VEGFR-1 (vascular endothelial growth factor receptor 1) and NRP-1 (neuropilin-1). Studies in mice showed that this gene was co-expressed with nuclear-encoded mitochondrial genes and the encoded protein specifically controlled endothelial uptake of fatty acids. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Sep 2011]

Function	Growth factor for endothelial cells. VEGF-B167 binds heparin and neuropilin-1 whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis. [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	VEGF-B186 is O-glycosylated. [UniProt]
Cellular Localization	Secreted. Note=Secreted but remains associated to cells or to the extracellular matrix unless released by heparin. [UniProt]

Images



ARG82258 Human VEGFB ELISA Kit standard curve image

ARG82258 Human VEGFB ELISA Kit results of a typical standard run with optical density reading at 450 nm.