

ARG82346 Mouse VEGFB ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82346-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82346-002	Standard	2 X 10 ng/vial	4°C
ARG82346-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82346-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82346-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82346-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82346-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82346-008	25X Wash buffer	20 ml	4°C
ARG82346-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82346-010	STOP solution	10 ml (Ready to use)	4°C
ARG82346-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82346 Mouse VEGFB ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse VEGFB in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	VEGFB
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.8% Inter-Assay CV: 7.0%

Alternate Names VEGF-related factor; VEGFL; VEGF-B; VRF; Vascular endothelial growth factor B

Application Instructions

Assay Time ~ 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 VEGFB

Gene Full Name vascular endothelial growth factor B

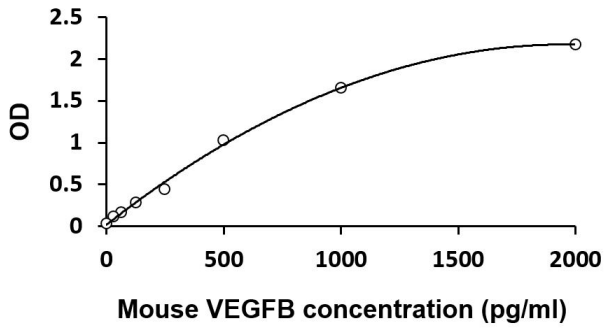
Background This gene encodes a member of the PDGF (platelet-derived growth factor)/VEGF (vascular endothelial growth factor) family. The VEGF family members regulate the formation of blood vessels and are involved in endothelial cell physiology. This member is a ligand for VEGFR-1 (vascular endothelial 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]



ARG82346 Mouse VEGFB ELISA Kit standard curve image

ARG82346 Mouse VEGFB ELISA Kit results of a typical standard run with optical density reading at 450 nm.