

ARG30295 VEGF ELISA Antibody Duo

Package: 1 pair
Store at: -20°C, 4°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG56584	anti-VEGF antibody [4B2-8]	Mouse mAb	Hu	ELISA, Neut, WB	100 µg
ARG56586	anti-VEGF antibody (Biotin)	Rabbit pAb	Hu	ELISA, WB	25 µg

Summary

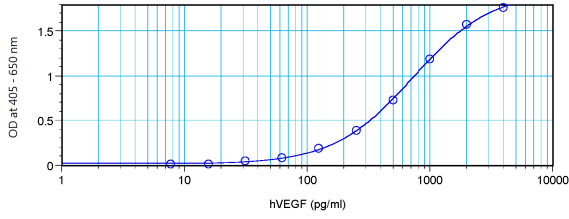
Product Description	Related news: The role of HDGF in tumor angiogenesis
Target Name	VEGF
Alternate Names	VEGF ELISA antibody; Vascular endothelial growth factor ELISA antibody; VEGF antibody; VEGF antibody (Biotin)

Properties

Storage instruction	Store antibodies at 4°C or -20°C. Please refer to the each product datasheet for detail temperatures of the antibodies.
Note	For laboratory research only, not for drug, diagnostic or other use.

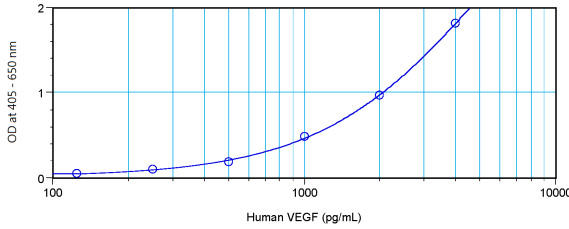
Bioinformation

Gene Symbol	VEGFA
Gene Full Name	Vascular endothelial growth factor (VEGF) ELISA Antibody Duo
Background	This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms. [provided by RefSeq, Jul 2008]
Function	Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. NRP1/Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to KDR but does not activate downstream signaling pathways, does not activate angiogenesis and inhibits tumor growth. [UniProt]



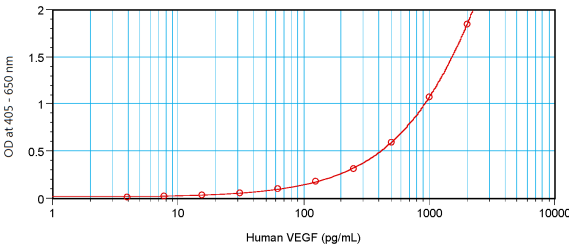
ARG56584 anti-VEGF antibody [4B2-8] standard curve image

Sandwich ELISA: ARG56584 anti-VEGF antibody [4B2-8] as the capture antibody at 2.0 - 4.0 µg/ml combined with [ARG56586](#) anti-VEGF antibody (Biotin) as the detection antibody at 0.25 - 1.0 µg/ml. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG56586 anti-VEGF antibody (Biotin) standard curve image

Direct ELISA: ARG56586 anti-VEGF antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density reading at 405 - 650 nm.



ARG56586 anti-VEGF antibody (Biotin) standard curve image

Sandwich ELISA: ARG56586 anti-VEGF antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml dilution in combination with [ARG56585](#) anti-VEGF antibody as a capture antibody at 0.5 - 2 µg/ml dilution. Results of a typical standard run with optical density reading at 405 - 650 nm.