

Datasheet for ABIN7120740 **anti-VEGF antibody**



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Overview

Quantity:	100 µg
Target:	VEGF
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VEGF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	vascular endothelial growth factor A
Clone:	5H5
Isotype:	IgG2b
Purification:	protein A+G purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	VEGF
Alternative Name:	VEGF (VEGF Products)
Background:	Synonyms:L VEGFA, MVCD1, Vascular permeability factor, VEGF, VEGF A, VEGFA, VPF Background:VEGFA, also named as VEGF or VPF, belongs to the PDGF/VEGF growth factor

Target Details

family. It is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. VEGFA induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. It binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. Defects in VEGFA are a cause of susceptibility to microvascular complications of diabetes type 1(MVCD1). VEGFA has 13 isoforms with MW 16kd to 45kd. Some isoforms has homodimer form, such as VEGFA189(38kd), VEGFA110(34kd). VEGFA is a 34kd to 42kd, dimeric, disulfide-bound glycoprotein. VEGF-A exists in at least seven homodimeric isoforms. The monomers consist of 121, 145, 148, 165, 183, 189, or 206 amino acids(PMID:15602010). This antibody can recognize all the isoforms of VEGFA.

Molecular Weight:	45 kDa
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UniProt:	P15692
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Application Details

Application Notes:	WB: 1:1000-1:4000, IHC: 1:50-1:500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	0.01MPBS pH 7.4,
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Storage:	-20 °C
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Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
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Expiry Date:	12 months
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