

ARG56212
anti-VEGFC antibody [197CT7.3.4]Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes VEGFC
Tested Reactivity	Hu, Ms, Rat
Tested Application	IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	197CT7.3.4
Isotype	IgG1, kappa
Target Name	VEGFC
Species	Human
Immunogen	Human VEGFC recombinant protein.
Conjugation	Un-conjugated
Alternate Names	VRP; Flt4-L; VEGF-C; Vascular endothelial growth factor-related protein; Flt4 ligand; Vascular endothelial growth factor C; LMPH1D

Application Instructions

Application table	Application	Dilution
	IP	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293	

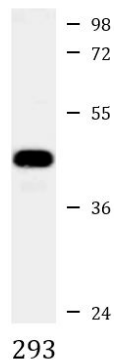
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	VEGFC
Gene Full Name	vascular endothelial growth factor C
Background	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. The encoded protein promotes angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. The proprotein is further cleaved into a fully processed form that can bind and activate VEGFR-2 and VEGFR-3 receptors. [provided by RefSeq, Apr 2014]
Function	Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis 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]
Calculated Mw	47 kDa
PTM	Undergoes a complex proteolytic maturation which generates a variety of processed secreted forms with increased activity toward VEGFR-3, but only the fully processed form could activate VEGFR-2. VEGF-C first form an antiparallel homodimer linked by disulfide bonds. Before secretion, a cleavage occurs between Arg-227 and Ser-228 producing a heterotetramer. The next extracellular step of the processing removes the N-terminal propeptide. Finally the mature VEGF-C is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent interactions.
Cellular Localization	Secreted.

Images



ARG56212 anti-VEGFC antibody WB image

Western blot: 35 µg of 293 cell lysate stained with ARG56212 anti-VEGFC antibody at 1:1000 dilution.