

Product Information	
Catalog No.	BS10578
Product name	Anti-Human VEGF Reference Antibody (Bevacizumab, RUO)
Applications	ELISA, Bioactivity: FACS, Functional assay, Research in vivo
Species reactivity	Human
Host species	Humanized
Clonality	Monoclonal
Isotype	IgG1-kappa
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	1mg/ml
Purity	>95% purity as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	Vascular endothelial growth factor A, VPF, VEGFA, VEGF, Vascular permeability factor, VEGF-A
Expression system	Mammalian Cells
Accession	P15692
Endotoxin level	Please contact the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C for short-term storage (1-2 weeks). Store at -20°C for up to 12 months. For long-term storage, store at -80°C.
Alternative Names	12-IgG1, F(ab)-12IgG1, Fab-12IgG1, rhuMAb-VEGF, ABP215, 216974-75-3
Note	For research use only. Not suitable for clinical or therapeutic use.

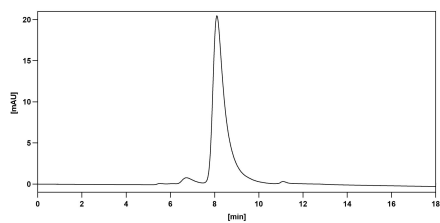
Background

Suvmecitug is a humanized IgG1κ antibody targeting VEGF derived from the African hare (*Oryctolagus cuniculus*).

- Vascular permeability factor/vascular endothelial growth factor: a critical cytokine in tumor angiogenesis and a potential target for diagnosis and therapy., PMID:12409337
- Vascular endothelial growth factor and its receptors., PMID:7515293
- Tumors: wounds that do not heal-redux., PMID:25568067
- Vascular permeability factor/vascular endothelial growth factor induces lymphangiogenesis as well as angiogenesis., PMID:12461084
- Differential expression of vascular endothelial growth factor (vascular permeability factor) forms in rat tissues., PMID:8527159
- Hypoxia regulates the expression of vascular permeability factor/vascular endothelial growth factor (VPF/VEGF) and its receptors in human skin., PMID:9036922
- Synthesis, storage, and release of vascular endothelial growth factor/vascular permeability factor (VEGF/VPF) by human mast cells: implications for the biological significance of VEGF206., PMID:9529385
- Effects of vascular endothelial growth factor (VEGF)/vascular permeability factor (VPF) on haemodynamics and permselectivity of the isolated perfused rat kidney., PMID:9568844

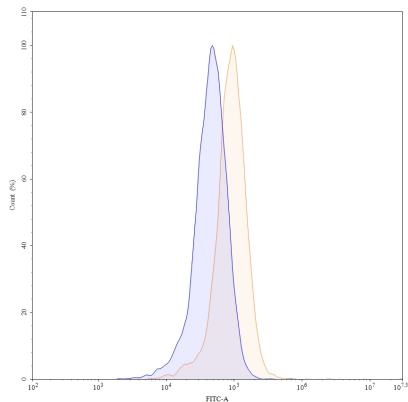
- Proteolytic cleavage of versican and involvement of ADAMTS-1 in VEGF-A/VPF-induced pathological angiogenesis., PMID:21411713
- Isolation and purification of vascular endothelial growth factor (VEGF) from ascitic fluid of ovarian cancer patients., PMID:15188027

Image Data



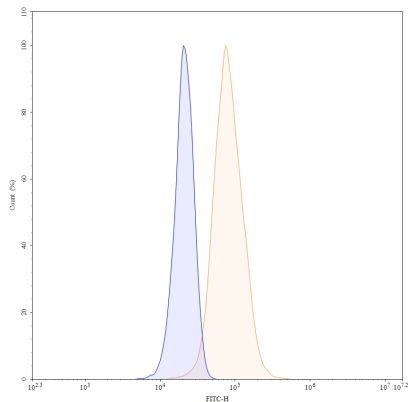
SEC-HPLC

SEC-HPLC detection for Research Grade Bevacizumab.



Flow Cytometry

Flow-cytometry using anti-human VEGFA antibody. U937 cells were fixed and permeabilized, then stained with an irrelevant antibody (Blue Histogram) or an anti-human VEGFA monoclonal antibody (Catalog HB941026, Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using Goat Anti-Human IgG H&L Polyclonal Antibody, FITC (abınScience: HF690414) and cells analysed on a NovoCyte Flow Cytometer.



Flow CytoMetry

Flow-cytometry using FITC anti-human VEGFA antibody. U87 cells were fixed and permeabilized, then stained with an irrelevant antibody (Blue Histogram) or an FITC anti-human VEGFA monoclonal antibody (Catalog: HB941026, Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.