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Anti-VEGF Reference Antibody (BioMab patent anti-VEGF)

Recombinant Antibody
Catalog # APR10217

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P15692
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	43597

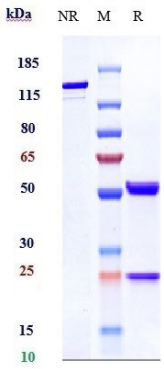
Additional Information

Target/Specificity	VEGF
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

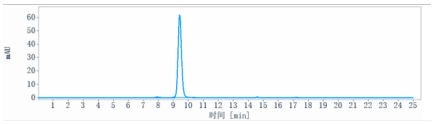
Protein Information

Name	VEGFA
Synonyms	VEGF
Function	[N-VEGF]: Participates in the induction of key genes involved in the response to hypoxia and in the induction of angiogenesis such as HIF1A (PubMed:35455969). Involved in protecting cells from hypoxia- mediated cell death (By similarity).
Cellular Location	[N-VEGF]: Cytoplasm. Nucleus. Note=Cytoplasmic in normoxic conditions and localizes to the nucleus under hypoxic conditions [Isoform L-VEGF189]: Endoplasmic reticulum. Golgi apparatus. Secreted, extracellular space, extracellular matrix [Isoform VEGF165]: Secreted
Tissue Location	Higher expression in pituitary tumors than the pituitary gland. [Isoform VEGF165]: Widely expressed. [Isoform VEGF206]: Not widely expressed.

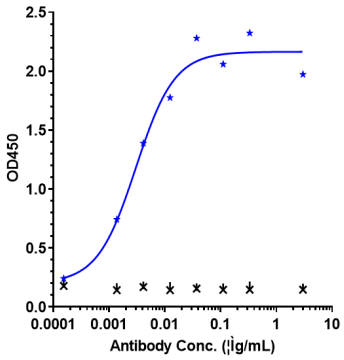
Images



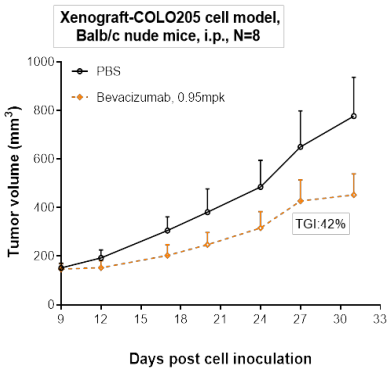
Anti-VEGF Reference Antibody (BioMab patent anti-VEGF) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-VEGF Reference Antibody (BioMab patent anti-VEGF)is more than 97.8% ,determined by SEC-HPLC.



Immobilized human VEGF165 His at 2 μg/mL can bind Anti-VEGF Reference Antibody (BioMab patent anti-VEGF),EC50=0.003018 μg/mL



Bevacizumab inhibited the tumor growth of COLO205 on balb/c nude mice. The result showed significant anti-tumor effects, with an tumor inhibition rate (TGI) of 42.0% at 0.95 mpk at D31.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.