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

Recombinant Antibody
Catalog # APR10217

Specification

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

Application	**FC, Kinetics, Animal Model**
Primary Accession	P15692
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**146.5 KDa**

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

Target/Specificity
VEGF

Endotoxin
< 0.001EU/ μg,determined by LAL method.

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.

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

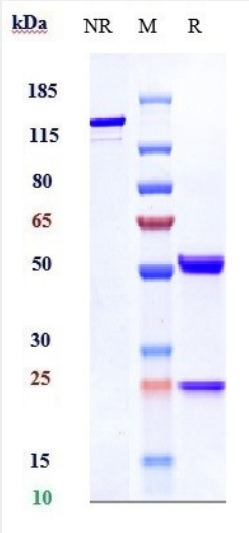
Tissue Location
Higher expression in pituitary tumors than the pituitary gland. [Isoform VEGF165]: Widely expressed. [Isoform VEGF206]: Not widely expressed.

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

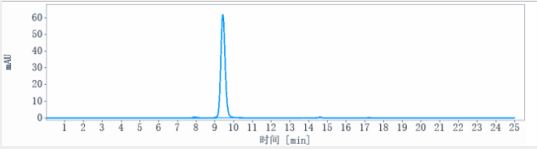
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

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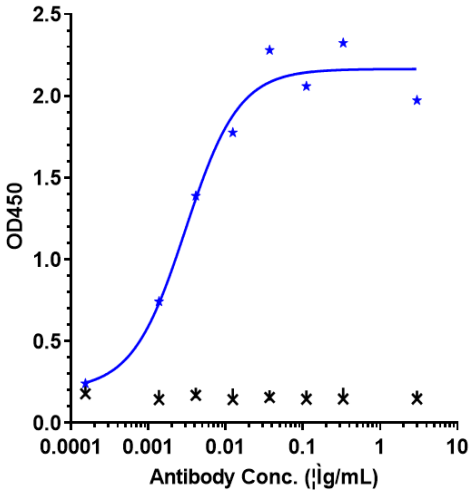
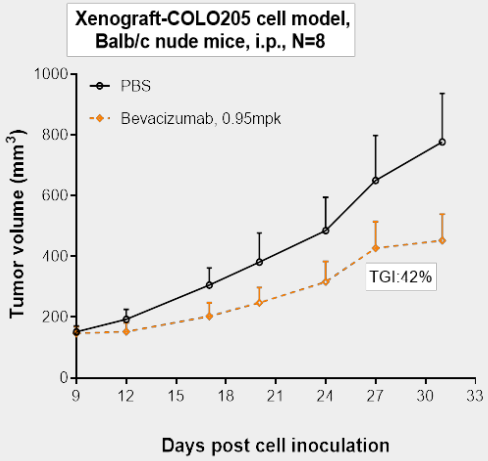


Immobilized human VEGF165 His at 2 μg/mL can bind Anti-VEGF Reference Antibody (BioMab patent anti-VEGF)EC50=0.003018 μg/mL



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.