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Anti-ANGPT2 Reference Antibody (nesvacumab)

Recombinant Antibody
Catalog # APR10041

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	O15123
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	56919

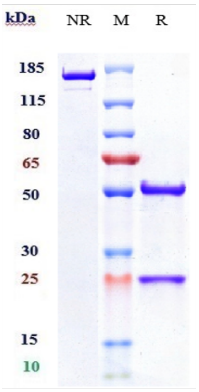
Additional Information

Target/Specificity	Ang2 / ANGPT2 / Angiopoietin2
Endotoxin Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

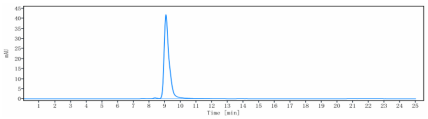
Protein Information

Name	ANGPT2
Function	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling (PubMed:15284220, PubMed:19116766, PubMed:19223473, PubMed:9204896). Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1 (PubMed:15284220, PubMed:19116766, PubMed:19223473, PubMed:9204896). In the absence of angiogenic inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal (PubMed:15284220, PubMed:19116766, PubMed:19223473, PubMed:9204896). Involved in the regulation of lymphangiogenesis (PubMed:32908006).
Cellular Location	Secreted.

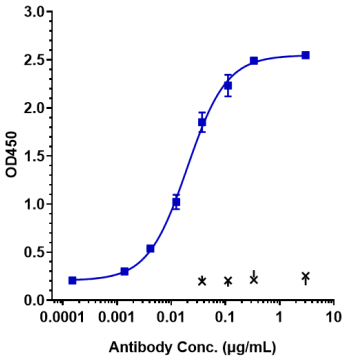
Images



Anti-ANGPT2 Reference Antibody (nesvacumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-ANGPT2 Reference Antibody (nesvacumab) is 99.11%, determined by SEC-HPLC.



Immobilized human ANGPT2 His at 2 ug/mL can bind Anti-ANGPT2 Reference Antibody (nesvacumab), EC50=0.01965 ug/mL.

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