

# Anti-ANGPT2 Reference Antibody (nesvacumab)

Recombinant Antibody

Catalog # APR10041

## Product Information

---

<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">O15123</a>
<b>Reactivity</b>	Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	56919

## Additional Information

---

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

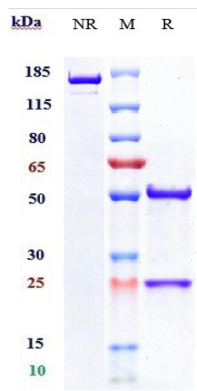
## Protein Information

---

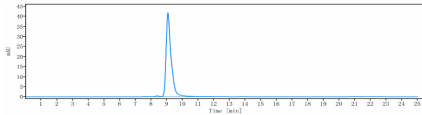
<b>Name</b>	ANGPT2
<b>Function</b>	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling (PubMed: <a href="#">15284220</a> , PubMed: <a href="#">19116766</a> , PubMed: <a href="#">19223473</a> , PubMed: <a href="#">9204896</a> ). Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1 (PubMed: <a href="#">15284220</a> , PubMed: <a href="#">19116766</a> , PubMed: <a href="#">19223473</a> , PubMed: <a href="#">9204896</a> ). 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: <a href="#">15284220</a> , PubMed: <a href="#">19116766</a> , PubMed: <a href="#">19223473</a> , PubMed: <a href="#">9204896</a> ). Involved in the regulation of lymphangiogenesis (PubMed: <a href="#">32908006</a> ).
<b>Cellular Location</b>	Secreted.

## Images

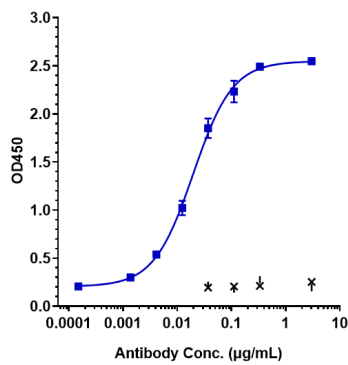
---



Anti-ANGPT2 Reference Antibody (nesvacumab) 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-ANGPT2 Reference Antibody (nesvacumab) is more than 99.11%, determined by SEC-HPLC.



Immobilized human ANGPT2 His at 2 µg/mL can bind Anti-ANGPT2 Reference Antibody (nesvacumab),  $EC_{50}=0.01965$  µg/mL

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