

**Anti-ANGPT2 Reference Antibody (zansecimab)  
Recombinant Antibody  
Catalog # APR10279****Specification**

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**Anti-ANGPT2 Reference Antibody (zansecimab) - Product Information**

Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">O15123</a>
Reactivity	Rat, Human, Mouse, Rabbit, Dog
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	145.24 KDa

**Anti-ANGPT2 Reference Antibody (zansecimab) - Additional Information****Target/Specificity**  
ANGPT2**Endotoxin**  
< 0.001EU/ µg, determined by LAL method.**Conjugation**  
Unconjugated**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in 100mM Pro-Ac, 20mM Arg, pH5.0, without preservative. This antibody is purified through a protein A column.**Anti-ANGPT2 Reference Antibody (zansecimab) - Protein Information****Name** ANGPT2**Function**  
Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling (PubMed: [15284220](http://www.uniprot.org/citations/15284220), PubMed: [19116766](http://www.uniprot.org/citations/19116766), PubMed: [19223473](http://www.uniprot.org/citations/19223473), PubMed: [9204896](http://www.uniprot.org/citations/9204896)). Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1 (PubMed: [15284220](http://www.uniprot.org/citations/15284220), PubMed: [19116766](http://www.uniprot.org/citations/19116766), PubMed: [19223473](http://www.uniprot.org/citations/19223473), PubMed: [9204896](http://www.uniprot.org/citations/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:<a href="http://www.uniprot.org/citations/15284220" target="\_blank">15284220</a>, PubMed:<a href="http://www.uniprot.org/citations/19116766" target="\_blank">19116766</a>, PubMed:<a href="http://www.uniprot.org/citations/19223473" target="\_blank">19223473</a>, PubMed:<a href="http://www.uniprot.org/citations/9204896" target="\_blank">9204896</a>). Involved in the regulation of lymphangiogenesis (PubMed:<a href="http://www.uniprot.org/citations/32908006" target="\_blank">32908006</a>).

### Cellular Location

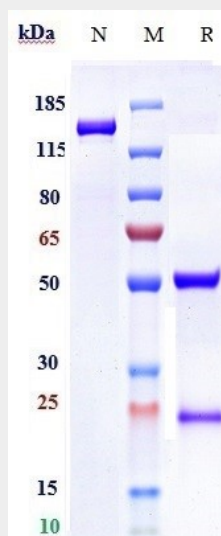
Secreted.

### Anti-ANGPT2 Reference Antibody (zansecimab) - Protocols

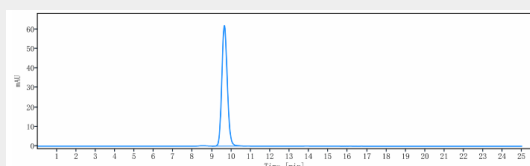
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-ANGPT2 Reference Antibody (zansecimab) - Images



Anti-ANGPT2 Reference Antibody (zansecimab) 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 (zansecimab) is more than 100%, determined by SEC-HPLC.