

Anti-ANGPT2/Angiopoietin-2 Antibody (7W847)

Product Details

Ig Type:	Human IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7W847
Purification:	Affinity-chromatography

Applications

Verified Activity:	The Binding Activity of ANGPT2 with anti-ANGPT2 antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human ANGPT2 at 2 µg/mL can bind Anti-ANGPT2 recombinant antibody, the EC50 is 0.6666-0.8876 ng/mL.
Application:	ELISA

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human ANGPT2 Protein
Antigen Species:	Human
Gene ID:	285
Uniprot ID:	O15123
Synonyms:	angiopoietin-2B;ANG-2;ANGPT2;AGPT2;Angiopoietin-2;angiopoietin-2a;ANG2;angiopoietin 2; Tie2-ligand;angiopoitin 2
Biology Area:	Immunology

Research Background

Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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