

Zansecimab Biosimilar - Research Grade

Product Code: ICH5290

More Information

Species Reactivity: Human

Target: Angiopoietin 2

Concentration: >1mg/ml

Isotype: Human IgG4 - kappa

Host: CHO Cells

product name H2: Zansecimab Biosimilar - Research Grade

Antibodies against the same target: [Nesvacumab Biosimilar - Research Grade \(ICH5010\)](#)

Sequence: <https://www.imgt.org/mAb-DB/>

Buffer: ICH3002

UniProt: O15123

Shipping Conditions: Blue ice

background: This product is a research-grade biosimilar of zansecimab (LY-3127804), supplied as an unconjugated, non-therapeutic analog of the originator antibody for research use only. It is not a clinical drug and is not intended for diagnostic or therapeutic use. Zansecimab is a humanized IgG4-kappa monoclonal antibody directed against human angiopoietin 2 (Ang2 / ANGPT2, UniProt O15123), a secreted regulator of the Tie2 (TEK) receptor axis that governs vascular stability and angiogenesis. The biosimilar reproduces the target-binding specificity of the originator so that investigators can use it as a reference reagent in binding, blocking, and neutralization studies against Ang2. As with ichor.bio in-vivo research antibodies, it is manufactured to low-endotoxin research standards and is available in bulk milligram to gram quantities, making it suitable for reproducible, scaled

experiments and as a benchmarking control. Because zanseimab is directed against a human target, this reagent is most commonly deployed in functional and in-vitro contexts rather than as a therapeutic in animals. It provides a consistent, well-characterized tool for laboratories studying angiopoietin-Tie2 signaling in angiogenesis, vascular biology, and inflammation research. Angiopoietin 2 (Ang2, gene ANGPT2; UniProt O15123) is a secreted glycoprotein ligand of the endothelial receptor tyrosine kinase Tie2 (TEK). It acts largely as a context-dependent antagonist of angiopoietin 1, competing for the Tie2 binding site and destabilizing quiescent endothelium. By loosening endothelial cell-matrix and cell-cell contacts, Ang2 primes vessels for remodeling: in the presence of VEGF it promotes endothelial migration, proliferation, and sprouting angiogenesis, whereas without such angiogenic cues it can drive vessel regression and endothelial apoptosis. Ang2 is upregulated in tumor angiogenesis and in numerous inflammatory and vascular-permeability disorders, and contributes to inflammation-associated signaling. Because it sits at a control point of the angiopoietin-Tie2 axis, Ang2 is an actively studied target for anti-angiogenic and vascular-normalization strategies. Neutralizing Ang2 with antibodies such as zanseimab is used experimentally to interrogate this pathway.

Other names: ANGPT2, ANG2

Specificity: Detects human ANGPT2

Purification Method: This monoclonal antibody was purified using Protein A

Formulation: Sterile, preservative-free, solution in PBS. BSA and Azide free.

Purity: >95% by SDS-PAGE

Endotoxin: ≤ 1.0 EU/mg as determined by the LAL method

Storage: This biosimilar is stable when stored at 2-8°C. For longer term storage (> 3 months) it is recommended to store this antibody at -20°C or -70°C.

Applications: Functional Assays

Application Notes: This biosimilar is for research use only (RUO): it is not for diagnostic or therapeutic procedures and cannot be purchased by patients.

Use: Products are for research use only. Not for use in diagnostic or therapeutic procedures.



Delivery Time: 4 weeks