

Zigakibart Biosimilar - Research Grade

Product Code: ICH5291

More Information

Species Reactivity: Human

Target: TNF Alpha

Concentration: >1mg/ml

Isotype: Human IgG4 - kappa

Host: CHO Cells

product name H2: Zigakibart Biosimilar - Research Grade

Antibodies against the same target: [Anti-Mouse TNF Alpha \(TN3-19.12\) In Vivo Antibody - Low Endotoxin \(ICH1136\)](#), [Adalimumab Biosimilar - Research Grade \(ICH4001\)](#), [Infliximab Biosimilar - Research Grade \(ICH4006\)](#), [Etanercept Biosimilar - Research Grade \(ICH4022\)](#), [Certolizumab Biosimilar - Research Grade \(ICH5309\)](#), [Golimumab Biosimilar - Research Grade \(ICH5312\)](#), [Afelimomab Biosimilar - Research Grade \(ICH5331\)](#), [Licaminlimab Biosimilar - Research Grade \(ICH5643\)](#), [Nerelimomab Biosimilar - Research Grade \(ICH5708\)](#), [Onercept Biosimilar - Research Grade \(ICH5732\)](#), [Placulumab Biosimilar - Research Grade \(ICH5776\)](#)

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

Buffer: ICH3002

UniProt: P01375

Shipping Conditions: Blue ice

background: The ICH5291 Zigakibart Biosimilar (Research Grade) is an unconjugated, non-therapeutic research analog of the originator antibody zigakibart (development code BION-1301), supplied for research use only and not for clinical or diagnostic application. It is built to recapitulate the target-binding behaviour of the originator so investigators can study the

biology of the pathway without sourcing clinical material. Note that the originator zigakibart is an anti-APRIL antibody (APRIL / TNFSF13), a member of the tumour necrosis factor superfamily; the target and UniProt accession recorded on this card (TNF Alpha, P01375) appear to describe a different molecule and should be corrected before publication (see flag). As a research-grade reagent it is intended for in-vitro and functional work such as ligand-binding assays, neutralisation and competition studies, and use as a positive or benchmarking control. Because the originator is directed against a human ligand and is developed for a human autoimmune kidney indication (IgA nephropathy), it is not intended as a mouse in-vivo depletion or checkpoint tool. Investigators should confirm target, format, and lot-specific specifications against their experimental needs. The verified target of zigakibart is APRIL (A proliferation-inducing ligand; TNFSF13), a tumour necrosis factor superfamily ligand distinct from TNF-alpha. APRIL is a key survival and differentiation signal for B cells and plasma cells, acting through the receptors BCMA and TACI. In IgA nephropathy, APRIL drives class-switching and survival of plasma cells that produce galactose-deficient IgA1 (Gd-IgA1); these aberrantly glycosylated antibodies form immune complexes that deposit in the glomerular mesangium and cause kidney injury. By binding APRIL and blocking its engagement of BCMA and TACI, zigakibart reduces Gd-IgA1 production and downstream immune-complex formation. The card-listed target TNF-alpha (P01375) is a separate proinflammatory cytokine and does not reflect this drug's biology; the description here is written around APRIL, the correct target.

Other names: Cachectin, Tumor necrosis factor ligand superfamily member 2, TNF-a, Tumor necrosis factor, TNF, TNFSF2

Specificity: Detects human TNF Alpha

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