

Burfiralinab Biosimilar - Research Grade

Product Code: ICH5232

More Information

Species Reactivity: Human

Target: VIM

Concentration: >1mg/ml

Isotype: Human IgG4 - kappa

Host: CHO Cells

product name H2: Burfiralinab Biosimilar - Research Grade

Antibodies against the same target: [Pritumumab Biosimilar - Research Grade \(ICH5790\)](#)

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

Buffer: ICH3002

UniProt: P08670

Shipping Conditions: Blue ice

background: This product is an unconjugated, non-therapeutic recombinant analog of burfiralinab (hzVSF-v13), a human IgG4-kappa antibody directed against vimentin (VIM). It is manufactured for research use only and is not the clinical drug; it is not intended for human or veterinary use. Built around the vimentin target, it reproduces the binding specificity of the originator molecule while being supplied in formats suited to laboratory work: bulk quantities from milligram to gram scale, low-endotoxin grades (research grade 1 EU/mg; ultra-low 0.5 EU/mg), and in-vivo-standard preparations for preclinical models. Because it is delivered as a plain, unconjugated IgG4, it is useful as a well-defined reagent for binding and neutralisation assays, as a positive or isotype-matched comparator in antibody characterisation, as a benchmark in biosimilarity and developability studies, and

as a starting point for conjugate or reporter development. Researchers studying vimentin biology, antiviral mechanisms, or inflammatory signalling can use it to interrogate target engagement in controlled, reproducible experimental systems without the constraints of clinical material. Vimentin (VIM, UniProt P08670) is a 57 kDa type III intermediate filament protein and a canonical marker of mesenchymal cells. Its filaments assemble from coiled-coil dimers into a cytoplasmic network that supports cell shape, organelle positioning, and mechanical integrity. Beyond structural roles, vimentin is a key regulator of the epithelial-to-mesenchymal transition, cell migration, and adhesion, and is frequently upregulated in invasive and metastatic cancers. Although classically intracellular, vimentin can also be secreted or displayed on the surface of activated, stressed, and virus-infected cells, where extracellular/cell-surface vimentin participates in innate immune signalling, leukocyte interactions, and viral entry. This surface-exposed pool is the accessible epitope relevant to antibody engagement. Vimentin's involvement in inflammation and infection underlies interest in it as a therapeutic target.

Other names: Vimentin

Specificity: Detects human VIM

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