

Crefmirlimab Biosimilar - Research Grade

Product Code: ICH5453-10mg

More Information

Species Reactivity: Human

Target: CD8A [Homo sapiens]

Concentration: >1mg/ml

Isotype: (scFv - kappa - heavy) -h- CH3

Host: CHO Cells

product name H2: Crefmirlimab Biosimilar - Research Grade

Antibodies against the same target: [Bulk Anti-Human CD8 \(UCHT-4\) Antibody \(ICH1005\)](#)

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

Buffer: ICH3002

UniProt: P01732

Gene ID: 925

Shipping Conditions: Blue ice

background: The ICH5453 Crefmirlimab Biosimilar (Research Grade) is an unconjugated, non-therapeutic research analog of crefmirlimab, built around the human CD8A target (UniProt P01732). Crefmirlimab (crefmirlimab berdoxam) is best known as an anti-CD8 minibody developed as a PET immuno-imaging agent to non-invasively map CD8-positive cytotoxic T cells in tumors and lymphoid tissue, typically after radiolabeling with zirconium-89. Consistent with that biology, this product is presented in a minibody-style format (an scFv fused to a CH3 dimerization domain, indicated here as scFv-kappa-heavy with a CH3),

rather than a full IgG. Supplied for research use only (RUO), it is intended as a functional and in-vitro reagent for characterizing CD8A binding rather than as a clinical imaging or therapeutic drug. As with ichor.bio in-vivo research antibodies, it is offered at low endotoxin (research grade, less than 1 EU/mg) and in bulk milligram-to-gram quantities to support method development, assay standardization, binding studies, and controls. It is not a clinical drug and carries no therapeutic claims; sequence and format should be confirmed against the buyer's intended application. CD8A (P01732) encodes the alpha chain of the CD8 co-receptor, a defining surface marker of cytotoxic T lymphocytes and a subset of dendritic and NK cells. CD8 is typically expressed as an alpha/alpha homodimer or, more commonly on conventional cytotoxic T cells, as an alpha/beta heterodimer. It binds the alpha-3 domain of MHC class I molecules, stabilizing the interaction between the T-cell receptor and peptide-MHC-I complexes and recruiting the kinase Lck to the intracellular signaling machinery, thereby lowering the threshold for T-cell activation. Because CD8 tightly marks cytotoxic effector T cells, it is a central readout in tumor immunology and immuno-oncology: CD8+ T-cell density and distribution are widely used indicators of anti-tumor immune activity and response to checkpoint therapy. This makes CD8A an attractive target for imaging and for reagents that quantify or track cytotoxic T-cell populations.

Other names: T-lymphocyte differentiation antigen T8/Leu-2, T-cell surface glycoprotein CD8 alpha chain, CD8A, MAL

Purification Method: This monoclonal antibody was purified using Protein A

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

Purity: >90% 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: 3-4 weeks

Suggested H1: Crefmirlimab (anti-CD8A [Homo sapiens]) Biosimilar

FAQ (Q&A):

Q: Is the Crefmirlimab biosimilar available in gram quantities?

A: Yes — it is manufactured in scalable milligram to gram quantities to support bulk and high-throughput preclinical experiments.

Q: Is this research-grade Crefmirlimab biosimilar suitable for in vivo studies?

A: Yes, it is supplied in a low-endotoxin, in vivo-ready formulation intended for preclinical and in vivo research use only (RUO).

Q: What does the Crefmirlimab biosimilar target?

A: It is an unconjugated, non-therapeutic research analog of Crefmirlimab that binds CD8A [Homo sapiens]; for research use only.