

Pepinemab Biosimilar - Research Grade

Product Code: ICH5768

More Information

Species Reactivity: Human

Target: SEMA4D $\frac{1}{2}$

Concentration: 5mg/ml

Isotype: IgG4 - kappa

Host: CHO Cells

product name H2: Pepinemab Biosimilar - Research Grade

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

Buffer: ICH3002

UniProt: Q92854

Shipping Conditions: Blue ice

background: SEMA4D (CD100) is a semaphorin involved in immune regulation, angiogenesis, and neural signaling. This research-grade human IgG4 kappa antibody is an unconjugated, non-therapeutic analog of pepinemab, produced in CHO cells against human SEMA4D. Supplied for research use only, it is formulated to low endotoxin for in vivo compatibility and offered in scalable milligram (mg) to gram (g) quantities for bulk and high-throughput laboratories. It supports receptor-ligand blockade assays, functional signaling studies, in vitro screening, and preclinical models in tumor-microenvironment and neuroinflammation research. The format is optimized for reproducible results across high-volume study designs.

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