

Alirocumab Biosimilar - Research Grade

Product Code: ICH4016

Bulk Alirocumab Biosimilar - Research Grade

Product Benefits:

ichorbio's Alirocumab Biosimilar - Research Grade is manufactured in a cGMP compliant facility. ichorbio's alirocumab is for research use only (RUO).

Size:

ichorbio's research grade alirocumab biosimilar is available in the following sizes: 5mg, 10mg, 20mg, 50mg, 100mg ichorbio regularly manufactures bulk multi-gram amounts of our alirocumab biosimilar - please contact us for pricing.

Target:

PCSK9

Clone:

n/a

Isotype:

IgG1

Other Names:

Proprotein convertase subtilisin/kexin type 9, NARC-1, PC9

Host:

Humanized

Species Reactivity:

Human

Specificity:

ichor.bio // hello@ichor.bio

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Detects human PCSK9.

Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Background:

Alirocumab biosimilar is a human monoclonal antibody (IgG1 isotype) that targets proprotein convertase subtilisin kexin type 9 (PCSK9), is a PCSK9 inhibitor produced by recombinant DNA technology in Chinese Hamster Ovary cell suspension culture. Alirocumab biosimilar consists of two disulfide-linked human heavy chains, each covalently linked through a disulfide bond to a human kappa light chain. A single Nlinked glycosylation site is located in each heavy chain within the CH2 domain of the Fc constant region of the molecule. The variable domains of the heavy and light chains combine to form the PCSK9 binding site within the antibody. Alirocumab biosimilar has an approximate molecular weight of 146 kDa.

Concentration:

1.0 - 5.0 mg/ml

Formulation:

Sterile, clear, colorless to pale yellow, preservative-free liquid, which contains histidine, polysorbate, sucrose, pH 6.0. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

Endotoxin:

≤ 0.75 EU/mg as determined by the LAL method

Storage:

Alirocumab Biosimilar - Research Grade is stable for at least four (4) weeks when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.



Applications:

Functional Assays

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications.

Use: ichorbio's alirocumab biosimilar is for research use only (RUO). **Isotype Control:**

[Bulk Human IgG1 Isotype Control \(IB1\) \[ICH2254\]](#)