

Aflibercept Biosimilar - Research Grade

Product Code: ICH4015

Bulk Aflibercept Biosimilar - Research Grade

Product Benefits:

ichorbio's Aflibercept Biosimilar - Research Grade is manufactured in a cGMP compliant facility. Our aflibercept biosimilar is for research use only (RUO).

Size:

ichorbio's research grade aflibercept biosimilar is available in the following sizes: 1mg, 5mg, 20mg and 100mg . ichorbio regularly manufactures bulk multi-gram amounts of our aflibercept biosimilar - please contact us for pricing.

Target:

VEGF

Clone:

n/a

Isotype:

IgG1

Other Names:

Vascular Endothelial Growth Factor

Host:

Humanized

Species Reactivity:

Human

Specificity:

Detects human VEGF.

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:

Aflibercept biosimilar is a recombinant fusion protein consisting of portions of human VEGF receptors 1 and 2 extracellular domains fused to the Fc portion of human IgG1 formulated as an iso-osmotic solution for intravitreal administration. Aflibercept biosimilar is a dimeric glycoprotein with a protein molecular weight of 97 kilodaltons (kDa) and contains glycosylation, constituting an additional 15% of the total molecular mass, resulting in a total molecular weight of 115 kDa. Aflibercept biosimilar is produced in recombinant Chinese hamster ovary (CHO) cells.

Concentration:

1.0 - 5.0 mg/ml

Formulation:

Preservative-free, sterile, aqueous solution. Diluted in 10 mM sodium phosphate, 40 mM sodium chloride, 0.03% polysorbate 20, and 5% sucrose, pH 6.2. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

Endotoxin:

≤ 0.75 EU/mg as determined by the LAL method

Storage:

Aflibercept 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 aflibercept biosimilar is for research use only (RUO). **Isotype Control:**

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