

Ranibizumab Biosimilar - Research Grade

Product Code: ICH4031

Bulk Ranibizumab Biosimilar - Research Grade

Product Specific Citations:

[Giannos, S.A., Kraft, E.R., Luisi, J.D. et al. Topical Solution for Retinal Delivery: Bevacizumab and Ranibizumab Eye Drops in Anti-Aggregation Formula \(AAF\) in Rabbits. Pharm Res 41, 1247-1256 \(2024\).](#)

Gupta et al. Topical Delivery of Ranibizumab drops in Anti-aggregation diluent formula for retinal Delivery in Rabbits. ARVO Annual Meeting Abstract (2023).

Product Benefits:

ichorbio's Ranibizumab Biosimilar - Research Grade is manufactured in a cGMP compliant facility. ichorbio: the best antibodies for *in vivo* research.

Size:

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

Target:

VEGF-A

Clone:

n/a

Isotype:

IgG1 kappa

Other Names:

Vascular endothelial growth factor A, VPF, Vascular Permeability 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:

Ranibizumab is a recombinant humanized IgG1 kappa isotype monoclonal antibody fragment designed for intraocular use. Ranibizumab binds to and inhibits the biologic activity of human vascular endothelial growth factor A (VEGF-A). Ranibizumab, which lacks an Fc region, has a molecular weight of approximately 48 kilodaltons and is produced by CHO expression system.

Concentration:

1.0 - 5.0 mg/ml

Formulation:

Sterile, colorless to pale yellow solution containing histidine hydrochloride, 10% trehalose dihydrate and Tween 20. pH 5.5. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC



Endotoxin:

≤ 0.75 EU/mg as determined by the LAL method

Storage:

Ranibizumab 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 ranibizumab biosimilar is for research use only (RUO). **Isotype Control:**

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