

Ustekinumab Biosimilar - Research Grade

Product Code: ICH4034

Bulk Ustekinumab Biosimilar - Research Grade

Product Benefits:

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

Size:

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

Target:

IL-12 and IL-23

Clone:

n/a

Isotype:

IgG1 kappa

Other Names:

Interleukin 12, Interleukin-23

Host:

Humanized

Species Reactivity:

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2026

Human

Specificity:

Detects human IL-12 and IL-23.

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:

Ustekinumab is a human IgG1k monoclonal antibody against the p40 subunit of the IL-12 and IL-23 cytokines. Using DNA recombinant technology, Ustekinumab is produced in a well characterized recombinant cell line and is purified using standard bio-processing technology. The manufacturing process contains steps for the clearance of viruses. Ustekinumab is comprised of 1326 amino acids and has an estimated molecular mass that ranges from 148,079 to 149,690 Daltons.

Concentration:

1.0 - 5.0 mg/ml

Formulation:

Sterile, preservative-free, colorless to slightly yellow solution, with a pH of 5.7-6.3, containing dihydrate EDTA disodium salt, L-histidine, L-histidine monohydrate hydrochloride, L-methionine, polysorbate 80 and sucrose. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

Endotoxin:

≤ 0.75 EU/mg as determined by the LAL method

Storage:

Ustekinumab 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 ustekinumab biosimilar is for research use only (RUO). **Isotype Control:**

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