

# Vedolizumab Biosimilar - Research Grade

**Bulk Vedolizumab Biosimilar - Research Grade**

## **Product Specific Citations:**

Dipasquale et al. Biosimilars in Pediatric IBD: Updated Considerations for Disease Management. *Biologics* (2022).

Parrish II et al. Biosimilar Interchangeability and Emerging Treatment Strategies for Inflammatory Bowel Diseases: A Commentary. *Gastroenterology Insights* (2021).

## **Product Benefits:**

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

## **Size:**

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

## **Target:**

Integrin a4b7

## **Clone:**

n/a

## **Isotype:**

IgG1

## **Other Names:**

Integrin Beta 7, Integrin Alpha 4, ITGA4, ITGB7, CD49

## **Host:**

Humanized

## **Species Reactivity:**

Human

## **Specificity:**

Detects human Integrin  $\alpha 4\beta 7$ .

## **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:**

Vedolizumab, an integrin receptor antagonist, is a humanized IgG1 monoclonal antibody produced in Chinese hamster ovary cells that binds to the human  $\alpha 4\beta 7$  integrin. Vedolizumab has an approximate molecular weight of 147 kilodaltons.

## **Concentration:**

1.0 - 5.0 mg/ml

## **Formulation:**

Sterile, preservative-free, clear to pale yellow solution, pH 6.3, containing L-histamine Acid, L-histidine monohydrate hydrochloride, L-arginine hydrochloride, sucrose, and polysorbate 80. BSA and Azide free.

## **Purity:**

>95% by SDS-PAGE and HPLC

## **Endotoxin:**

≤ 0.75 EU/mg as determined by the LAL method

## **Storage:**

Vedolizumab 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 vedolizumab biosimilar is for research use only (RUO).

## **Isotype Control:**

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