

# Adalimumab Biosimilar - Research Grade

**Bulk Adalimumab Biosimilar - Research Grade**

## **Product Benefits:**

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

## **Size:**

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

## **Target:**

TNF alpha

## **Clone:**

n/a

## **Isotype:**

IgG1 kappa

## **Other Names:**

Cachectin, TNFa, Tumor necrosis factor ligand superfamily member 2, Tnfsf2

## **Host:**

Humanized

## **Species Reactivity:**

Human

## **Specificity:**

Detects human TNF alpha.

## **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:**

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Adalimumab biosimilar is a recombinant human IgG1 monoclonal antibody specific for human tumor necrosis factor (TNF), was created using phage display technology resulting in an antibody with human derived heavy and light chain variable regions and human IgG1:k constant regions. Adalimumab biosimilar is produced by recombinant DNA technology in a mammalian cell (Chinese Hamster Ovary) expression system and is purified by a process that includes specific viral inactivation and removal steps. It consists of 1330 amino acids and has a molecular weight of approximately 148 kilodaltons.

**Concentration:**

1.0 - 5.0 mg/ml

**Formulation:**

Sterile, clear, colorless and transparent, preservative-free liquid, containing citric acid monohydrate, disodium hydrogen phosphate dihydrate, mannitol, sodium dihydrogen phosphate, polysorbate 80, sodium chloride and sodium citrate. pH 5.2. BSA and Azide free.

**Purity:**

>95% by SDS-PAGE and HPLC

**Endotoxin:**

? 0.75 EU/mg as determined by the LAL method

**Storage:**

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -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 adalimumab biosimilar is for research use only (RUO). **Isotype Control:**

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