

# Tocilizumab Biosimilar - Research Grade

**Product Code:** ICH4012

**Bulk Tocilizumab Biosimilar - Research Grade**

## **Product Benefits:**

ichorbio's Tocilizumab Biosimilar - Research Grade is manufactured in a cGMP compliant facility.

## **Size:**

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

## **Target:**

IL-6 Receptor

## **Clone:**

n/a

## **Isotype:**

IgG1 kappa

## **Other Names:**

Interleukin-6 Receptor, IL6R

## **Host:**

Humanized

## **Species Reactivity:**

Human

## **Specificity:**

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Detects human IL-6 receptor.

**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:**

Tocilizumab is a recombinant humanized anti-human interleukin 6 (IL-6) receptor monoclonal antibody of the immunoglobulin IgG1 $\kappa$  (gamma 1, kappa) subclass with a typical H2L2 polypeptide structure. Each light chain and heavy chain consists of 214 and 448 amino acids, respectively. The four polypeptide chains are linked intra- and inter-molecularly by disulfide bonds. Tocilizumab has a molecular weight of approximately 148 kDa. The antibody is produced in mammalian (Chinese hamster ovary) cells.

**Concentration:**

1.0 - 5.0 mg/ml

**Formulation:**

Sterile, preservative-free, clear, colorless to slightly yellow liquid with a pH of about 6.5, containing phosphoric acid salt buffer, polysorbate 80 and sucrose. BSA and Azide free.

**Purity:**

>95% by SDS-PAGE and HPLC

**Endotoxin:**

$\leq$  0.75 EU/mg as determined by the LAL method

**Storage:**

Tocilizumab 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 tocilizumab biosimilar is for research use only (RUO). **Isotype Control:**

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