

Denosumab Biosimilar - Research Grade

Product Code: ICH4019

Bulk Denosumab Biosimilar - Research Grade

Product Specific Citations:

[RANKL neutralisation prevents osteoclast activation in a human in vitro ameloblastoma-bone model](#)

[Narsimhan et al. Mobile Affinity Selection Chromatography Analysis of Therapeutic Monoclonal Antibodies. Analytical Chemistry](#)

Pape et al. RANKL neutralisation prevents osteoclast activation in a human in vitro ameloblastoma-bone model. Journal of Tissue Engineering (2022).

Product Benefits:

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

Size:

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

Target:

RANKL

Clone:

n/a

Isotype:

IgG2

Other Names:

Tumor necrosis factor ligand superfamily member 11, Tnfsf11, Osteoclast differentiation factor, ODF, Osteoprotegerin ligand, OPGL, Receptor activator of nuclear factor kappa-B ligand, TNF-related activation-induced cytokine, TRANCE, CD254, Rank Ligand

Host:

Humanized

Species Reactivity:

Human

Specificity:

Detects human RANK Ligand.

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:

Denosumab biosimilar is a human IgG2 monoclonal antibody that binds to human RANKL. Denosumab has an approximate molecular weight of 147 kDa and is produced in genetically engineered mammalian (Chinese hamster ovary) cells.

Concentration:

1.0 - 5.0 mg/ml

Formulation:

Sterile, clear, colorless to pale yellow, preservative-free solution, containing acetic acid, poly Sorbate 20 and sorbitol, 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:

Denosumab 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 denosumab biosimilar is for research use only (RUO).

Isotype Control:

[Bulk Human IgG2 Isotype Control \(IB2\) \[ICH2255\]](#)