

# Human NGF Monoclonal Antibody

Catalog No.: YR0169

## Basic Information

### Molecular Weight

150 kDa

### Endotoxin

<1EU/mg (<0.001EU/μg) Determined by LAL gel clotting assay

### Sterility

0.2 μm filtration

### Aggregation

<5% Determined by SECP

### Purity

>95% Determined by SDS-PAGE

## Background

What is tanezumab biosimilar research grade? Tanezumab is a humanized IgG2-kappa monoclonal antibody against nerve growth factor (NGF) as a treatment for pain via a novel mechanisms different from conventional pain-killer drugs. NGF levels increase in the body as a result of injury, inflammation or in chronic pain states. Tanezumab selectively targets, binds to, and inhibits NGF. Tanezumab acts in the periphery in a different manner than opioids and other analgesics, including nonsteroidal anti-inflammatory drugs (NSAIDs), and in studies to date, tanezumab has not demonstrated a risk of addiction, misuse or dependence. Tanezumab biosimilar uses the same protein sequences as the therapeutic antibody tanezumab.

## Reported Applications

ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways

## Immunogen Information

### Clone

Tanezumab Biosimilar

### Isotype

Human IgG2 kappa

### Immunogen

Human NGF

### Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG2 Kappa Isotype Control Antibody

### Recommended Dilution Buffer

1×PBS pH 7.4

## Contact

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## Product Information

### Production

Purified from cell culture supernatant in an animal-free facility

### Purification

Protein A or G purification

### Storage

Store at 2 - 8°C. 2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)