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TNF Receptor 2 □ Fc fragment Region (human IgG1) Protein

Catalog No.: YR0143

Basic Information

Molecular Weight

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

Etanercept, a fusion protein of the soluble TNF receptor 2 and a Fc fragment (human IgG1 isotype). Etanercept can be used to treat autoimmune diseases by interfering with tumor necrosis factor (TNF), a soluble inflammatory cytokine, by acting as a TNF inhibitor. TNF alpha is the "master regulator" of the inflammatory (immune) response in many organ systems. Autoimmune diseases are caused by an overactive immune response. Etanercept has the potential to treat these diseases by inhibiting TNF alpha. Etanercept binds to TNF alpha and decreases its role in disorders involving excess inflammation in humans and other animals, including autoimmune diseases such as ankylosing spondylitis, juvenile rheumatoid arthritis, psoriasis, psoriatic arthritis, rheumatoid arthritis, and, potentially, in a variety of other disorders mediated by excess TNF alpha.

Reported Applications

Functional assays,and those assays for studying biological pathways affected by etanercept.

Immunogen Information

Clone
Etanercept Biosimilar

Isotype
Human IgG1 Fc

Immunogen

RecommendedIsotype Control(s)
In Vivo Grade Recombinant Human IgG1 Fc Protein

Recommended Dilution Buffer
1×PBS pH 7.1 to 7.7

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 -20℃