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Human TNF alpha Monoclonal Antibody

Catalog No.: YR0014

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

Infliximab, a chimeric anti-TNF-α monoclonal antibody, is used to treat psoriasis, Crohn's disease, ankylosing spondylitis, psoriatic arthritis, rheumatoid arthritis, and ulcerative colitis. Infliximab interferes TNF-α from binding to its receptor in the cell.Mainly produced by activated macrophages (M1), Tumor necrosis factor (TNF, cachexin, cachectin, tumor necrosis factor alpha, TNFα) plays important roles in the regulation of autoimmune reaction.

Reported Applications

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

Immunogen Information

Clone
Infliximab Biosimilar

Isotype
Human IgG1 kappa

Immunogen
Human TNF alpha

RecommendedIsotype Control(s)
In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

Recommended Dilution Buffer
1×PBS pH 7.3

Contact

400-999-6126

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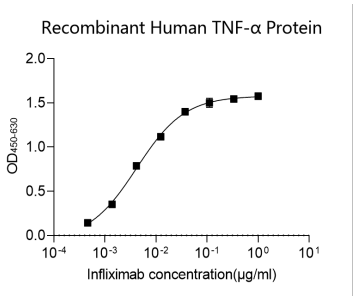
Product Information

Production
Purified from cell culture supernatant in an animal-free facility

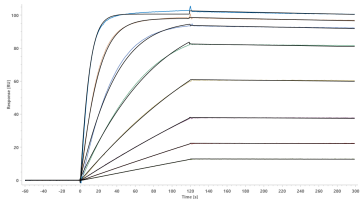
Purification
Protein A or G purification

Storage
Store at -20℃

Validation Data



Direct ELISA binding curve demonstrating the recognition of Human Anti-Human TNF-α (Research Grade Infliximab Biosimilar) Monoclonal Antibody to TNF-α. The target protein was coated onto the microplate well surface, followed by binding of the antibody. A donkey anti-human IgG HRP conjugate was used for detection.



Human TNF-α SPR assay. Determined through SPR assay, the Human Anti-Human TNF-α (Research Grade InfliximabBiosimilar) Monoclonal Antibody is Capable of binding to Human TNF-α with an affinity constant of 84.49 pM.

For research use only. Not for therapeutic or diagnostic purposes.
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