

Recombinant CTLA-4 Extracellular Domain Fc fragment (human IgG1 isotype) Protein

Catalog No.: YR0046

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

Belatacept (trade name Nulojix, Bristol-Myers-Squibb), a fusion protein of a Fc fragment (human IgG1 isotype) and the extracellular domain of CTLA-4, can be used to extend graft survival while limiting the toxicity generated by standard immune suppressing regimens, such as calcineurin inhibitors. Belatacept differs from abatacept (trade name Orencia) by only 2 amino acids. The CTLA-4 protein is important for T-cell costimulation and selectively blocks the process of T-cell activation.

Reported Applications

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

Immunogen Information

Clone

Belatacept Biosimilar

Isotype

Human IgG1 Fc

Immunogen

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Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG1 Fc Protein

Recommended Dilution Buffer

1×PBS pH 7.2 to 7.8

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)