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Human LAG-3 Monoclonal Antibody

Catalog No.: YR0133

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

Relatlimab is a lymphocyte-activation gene 3 (LAG-3)-blocking antibody that is being investigated with other agents in a variety of tumor types. LAG-3 is a cell-surface molecule found on effector T cells and regulatory T cells, and it works to control T cell response, activation, and growth. Preclinical studies suggest that inhibiting LAG-3 could restore effector function of exhausted T cells and could potentially promote an anti-tumor response. LAG-3 is a component of an immune checkpoint pathway that inhibits T-cell activity. Relatlimab, a human IgG4 LAG-3–blocking antibody, restores the effector function of exhausted T cells, reinvigorating T cells to attack cancer.Relatlimab and the anti–PD-1 agent nivolumab modulate potentially synergistic immune checkpoint pathways and can enhance antitumor immune responses. The two-drug combination has a generally manageable safety profile and can trigger durable tumor regressions in patients with melanoma whose disease has progressed after anti–PD-1 monotherapy.

Reported Applications

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

Immunogen Information

Clone
Relatlimab Biosimilar

Isotype
human IgG4 kappa

Immunogen
Human LAG-3

RecommendedIsotype Control(s)
In Vivo Grade Recombinant Human IgG4-S228P Kappa Isotype Control Antibody

Recommended Dilution Buffer
1×PBS pH 6.0

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℃