

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 PK and ADA assays, and those assays for studying biological pathways

Immunogen Information

Clone

Relatlimab Biosimilar

Isotype

human IgG4 kappa

Immunogen

Human LAG-3

Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG4-S228P Kappa Isotype Control Antibody

Recommended Dilution Buffer

1×PBS pH 7.0

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

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