

Human CEACAM5 Monoclonal Antibody

Catalog No.: YR0166

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

What is tusamitamab biosimilar research grade? Tusamitamab is a humanized IgG1-kappa monoclonal antibody targeting carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) which is overexpressed in tumors including non-small cell lung cancer (NSCLC) and pancreatic ductal adenocarcinoma (PDAC), and is an attractive target for therapies based on CAR-T cell or/and ADCs. Tusamitamab ravtansine (SAR408701) is an antibody-drug conjugate (ADC) combining a humanized monoclonal antibody and a potent cytotoxic maytansinoid derivative (DM4) inhibiting microtubule assembly. Tusamitamab biosimilar uses the same protein sequences as the therapeutic antibody tusamitamab.

Reported Applications

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

Immunogen Information

Clone

Tusamitamab Biosimilar

Isotype

Human IgG1 kappa

Immunogen

Human CEACAM5

Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

Recommended Dilution Buffer

1×PBS pH 7.4

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)