

# 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 7.0

## 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)