

# Human Claudin 18.2 Monoclonal Antibody, Endotoxin 0.05 EU/mg

Catalog No.: YR0138

## Basic Information

### Molecular Weight

150 kDa

### Endotoxin

<0.05EU/mg (<0.00005EU/μg)  
Determined by LAL gel clotting assay

### Sterility

0.2 μm filtration

### Aggregation

<5% Determined by SECP

### Purity

>95% Determined by SDS-PAGE

## Background

Zolbetuximab is a humanized monoclonal antibody directed against the human protein Claudin 18.2 (the isoform 2 of Claudin), and potentially used for the treatment of gastrointestinal adenocarcinomas and pancreatic tumors. Zolbetuximab is an Fc-engineered, humanized, monoclonal antibody (IgG1κ isotype). Zolbetuximab biosimilar uses the same protein sequences as the potential therapeutic antibody zolbetuximab. Claudin-18 in humans is a protein encoded by the CLDN18 gene. The CLDN18 protein belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells. Isoform 2 (Claudin 18.2) is abundant in gastric tumors.

## Reported Applications

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

## Immunogen Information

### Clone

Zolbetuximab Biosimilar

### Isotype

Human IgG1 kappa

### Immunogen

Human Claudin 18

### 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)