Technical Data Sheet

InVivoSIM anti-human Claudin 18.2 (Zolbetuximab Biosimilar)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

Lot Specific Information

Lot Number: **Lot Specific***
Volume: **Lot Specific***
Concentration: **Lot Specific* (generally 4 to 11 mg/ml) ***
Total Protein: **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	**SIM0026**
Clone:	**Zolbetuximab**
Isotype:	Human IgG1, κ
Recommended Isotype Control(s):	RecombiMAb human IgG1 isotype control, anti-hen egg lysozyme
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Human claudin 18.2
Reported Applications:	Functional assays
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤0.5EU/mg (≤0.0005EU/µg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein A
Aggregation:	<5% Determined by SEC
RRID:	
Molecular Weight:	150 kDa

Murine Pathogen Test Results

Mouse Norovirus: Negative, Mouse Parvovirus: Negative, Mouse Minute Virus: Negative, Mouse Hepatitis Virus: Negative, Reovirus Screen: Negative, Lymphocytic Choriomeningitis virus: Negative, Lactate Dehydrogenase-Elevating Virus: Negative, Mouse Rotavirus: Negative, Theiler's Murine Encephalomyelitis: Negative, Ectromelia/Mousepox Virus: Negative, Hantavirus: Negative, Polyoma Virus: Negative, Mouse Adenovirus: Negative, Sendai Virus: Negative, Mycoplasma Pulmonis: Negative, Pneumonia Virus of Mice: Negative, Mouse Cytomegalovirus: Negative, K Virus: Negative,

Description

This non-therapeutic biosimilar antibody uses the same variable regions as the therapeutic antibody Zolbetuximab making it ideal for research use. This Zolbetuximab biosimilar antibody reacts with isoform 2 of human claudin 18. Claudin 18.2, a member of the claudin family, is commonly expressed in multiple cancers, including gastric and pancreatic cancer. Claudin 18.2 is not expressed in any healthy tissues except for gastric mucosa. Claudins play a major role in tight junctions which establish the paracellular barrier that controls the flow of molecules in the intercellular space between the cells of an epithelium. They also play an important role in tumorigenesis and inflammation. Alterations in claudin expression have been shown to lead to impaired functions of tight junctions, influence signaling pathways, and act as tumor promoting events in some epithelial cancers. In a humanized mouse model of prostate cancer Zolbetuximab demonstrated antitumor activity by stimulating ADCC and/or CDC.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/sim0026?bxcs=9k1b3a#tab_references or scan the QR code below.

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