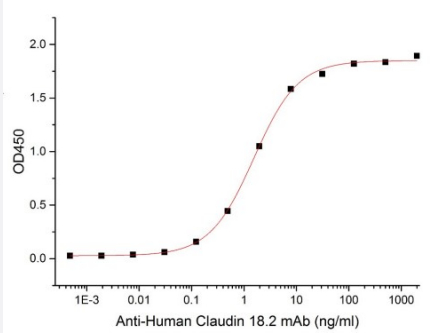
RecomAb™

CLDN18 recombinant monoclonal antibody (Claudiximab)

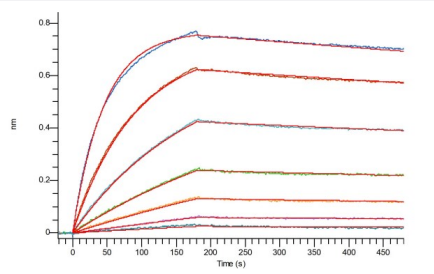
Catalog # RAB09691 Size 50 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Recombinant Human CLDN18-Flag at 5 ug/mL (100 uL/well) can bind CLDN18 recombinant monoclonal antibody (Cat# RAB09691). The ED_{50} of CLDN18 recombinant monoclonal antibody (Cat# RAB09691) is 1.54 ng/mL .



Bio-layer interferometry

Loaded CLDN18 recombinant monoclonal antibody (Cat# RAB09691) on Pro-A Biosensor, can bind Recombinant Human CLDN18 (N-Twin strep-Flag) with an affinity constant of 6.47 nM as determined in BLI assay.

Greater than 95% as determined by reducing SDS-PAGE.

Specification

Product Description	Recombinant human monoclonal antibody (Claudiximab) raised against human CLDN18.

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Host	Human
Theoretical MW (kDa)	49.4, 24.2
Form	Liquid
Preparation Method	Mammalian expression system
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin Level	< 1 EU/ug as determined by LAL test.
Isotype	Human IgG1
Regulatory Status	For research use only (RUO)
Recommend Usage	ELISA BLI assay The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

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Gene Info — CLDN18

Entrez GeneID	51208
Protein Accession#	P56856
Gene Name	CLDN18
Gene Alias	SFTA5, SFTPJ
Gene Description	claudin 18

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Omim ID	609210
Gene Ontology	Hyperlink
Gene Summary	CLDN18 belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells (Niimi et al., 2001 [PubMed 11585919]).[supplied by OMIM
Other Designations	surfactant associated 5|surfactant associated protein J|surfactant, pulmonary associated protein J

Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Tight junction

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