

ABflo® 488 Rabbit anti-Human Claudin18.2 mAb

Catalog NO.: A23391

Basic Information

Observed MW

Refer to figures

Calculated MW

27kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human

Conjugation

ABflo® 488. Ex:491nm. Em:516nm.

Clone number

ARC60744

Background

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is upregulated in patients with ulcerative colitis and highly overexpressed in infiltrating ductal adenocarcinomas. PKC/MAPK/AP-1 (protein kinase C/mitogen-activated protein kinase/activator protein-1) dependent pathway regulates the expression of this gene in gastric cells. Alternatively spliced transcript variants encoding different isoforms have been identified.

Recommended Dilutions

FC	5 µl per 10 ⁶ cells in 100 µl volume
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Immunogen Information

Gene ID

51208

Swiss Prot

P56856-2

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

SFTA5; SFTPJ

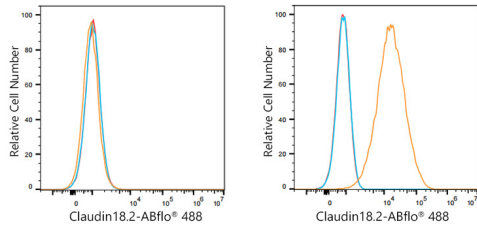
Contact

Product Information

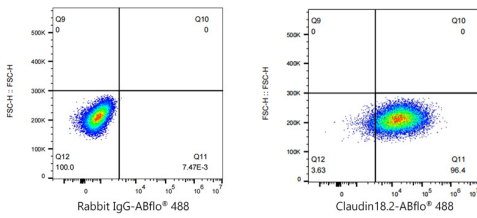
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

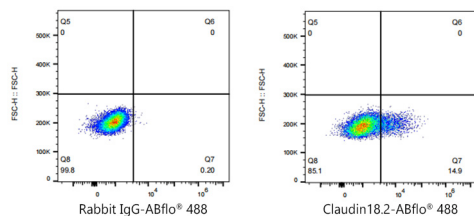
Validation Data



Flow cytometry:1X10^6 CHO cells(negative control,left) and CHO(Transfection,right) cells were surface-stained with ABflo® 488 Rabbit anti-Human Claudin18.2 mAb(A23391,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line).Non-fluorescently stained cells was used as blank control (red line).



Flow cytometry:1X10^6 CHO(Transfection) cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human Claudin18.2 mAb(A23391,5 µl/Test,right).



Flow cytometry: 1X10⁶ NUGC4 cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, left) or ABflo® 488 Rabbit anti-Human Claudin18.2 mAb (A23391, 5 µl/Test, right).