

Human Claudin-17 Antibody

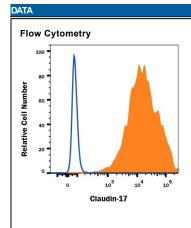
Monoclonal Mouse IgG_{2B} Clone # 410509 Catalog Number: MAB4619

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human Claudin-17. Stains human Claudin-17 transfectants but not irrelevant transfectants in flow cytometry.		
Source	Monoclonal Mouse IgG _{2B} Clone # 410509		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	NS0 mouse myeloma cell line transfected with human Claudin-17 Met1-Val224 Accession # P56750		
Formulation	mulation Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.		

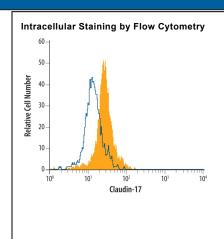
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website

	Recommended Concentration	Sample
Flow Cytometry	0.25 μg/10 ⁶ cells	See Below
Intracellular Staining by Flow Cytometry	$0.25~\mu g/10^6~cells$	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	



Detection of Claudin-17 in HEK293 **Human Cell Line Transfected with** Human Claudin-17 by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human Claudin-17 was stained with Mouse Anti-Human Claudin-17 Monoclonal Antibody (Catalog # MAB4619, filled histogram) or isotype control antibody (Catalog # MAB0041, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins.



Detection of Claudin-17 in A431 **Human Cell Line by Flow** Cytometry. A431 human epithelial carcinoma cell line was stained with Mouse Anti-Human Claudin-17 Monoclonal Antibody (Catalog # MAB4619, filled histogram) or isotype control antibody (Catalog # MAB0041, open histogram), followed by Allophycocyaninconjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS. Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Claudin-17 is a 224 amino acid multipass membrane protein in the Claudin family of epithelial tight junction proteins. Human Claudin-17 shares 80%-82% aa sequence identity with mouse and rat Claudin-17.

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