

## Anti-Claudin 5/CLDN5 Antibody Picoband® FITC Conjugated

Catalog Number: RP1043-FITC

### About CLDN5

Claudin-5 (CLDN5) also known as BEC1, is a protein that in humans is encoded by the CLDN5 gene. By use of yeast artificial chromosomes, Claudin-5 is localized between polymorphic markers D22S944 and D22S941 on chromosome 22q11, both of which are deleted in more than 80% of VCFS patients. 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. What's more, it plays a major role in tight junction-specific obliteration of the intercellular space.

### Overview

Product Name	Anti-Claudin 5/CLDN5 Antibody Picoband® FITC Conjugated
Reactive Species	Human, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O00501

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Claudin 5, different from the related mouse sequence by three amino acids and from the related rat sequence by four amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 23600383, Cen J, Liu L, Li Ms, He L, Wang Lj, Liu Yq, Liu M, Ji Bs. J Pharm Pharmacol. 2013 May;65(5):665-72. Doi: 10.1111/Jphp.12033. Epub 2013 Feb 26. Alteration In P-Glycoprotein At The Blood-Brain Barrier In The Early Period Of Mcao In Rats.

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