

## Anti-Claudin 5/CLDN5 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: RP1043-Fluoro550

### 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® Fluoro550 Conjugated
Reactive Species	Human, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
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	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm

Suggested Dilutions

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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