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Datasheet for ABIN2173204  
**anti-Claudin 22 (CLDN22) (AA 101-180) antibody (Cy7)**

### Overview

Quantity:	100 µL
Target:	Claudin 22 (CLDN22)
Binding Specificity:	AA 101-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Cy7
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Claudin 22
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

### Target Details

Target:	Claudin 22 (CLDN22)
Alternative Name:	Claudin 22 ( <a href="#">CLDN22 Products</a> )
Background:	Synonyms: Claudin-22, CLD22_HUMAN, CLDN21, CLDN22, FLJ51450.

## Target Details

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Background: The claudin superfamily consists of many structurally related proteins that are important structural and functional components of tight junctions in paracellular transport. Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. It is suggested that the claudin family of proteins regulate transport through tight junctions via differential discrimination for solute size and charge. Claudin expression is often highly restricted to specific regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-22, also known as CLDN22, is a 220 amino acid member of the claudin family that participates in tight junction-specific obliteration of the intercellular space through calcium-independent cell-adhesion activity.

Pathways: [Cell-Cell Junction Organization](#), [Hepatitis C](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months