

Datasheet for ABIN1720917

anti-Claudin 9 antibody**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Claudin 9 (CLDN9)
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Claudin 9 antibody is un-conjugated
Application:	Cell-ELISA (cELISA), Flow Cytometry (FACS)

Product Details

Immunogen:	genetic immunisation with cDNA encoding human Claudin 9
Clone:	YD-4E9
Isotype:	IgG2b
Specificity:	Anti-human Claudin 9
Characteristics:	Selection: Based on recognition of the complete native protein expressed on transfected mammalian cells
Purification:	Protein G

Target Details

Target:	Claudin 9 (CLDN9)
Alternative Name:	CLAUDIN9 (CLDN9 Products)

Target Details

Background: Claudin 9 plays a major role in tight junction-specific obliteration of the intercellular space.
Claudin 6 and Claudin 9 have been reported to mediate HCV entry

UniProt: [O95484](#)

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

Application Details

Application Notes: Flow cytometry: 1.2 µg/10⁶ cells
ELISA: 1:200 - 1:400
CELISA: 1:200 - 1:400
For each application a titration should be performed to determine the optimal concentration.

Comment: Synonyms: CLDN9

Restrictions: For Research Use only

Handling

Buffer: PBS, pH 7.2

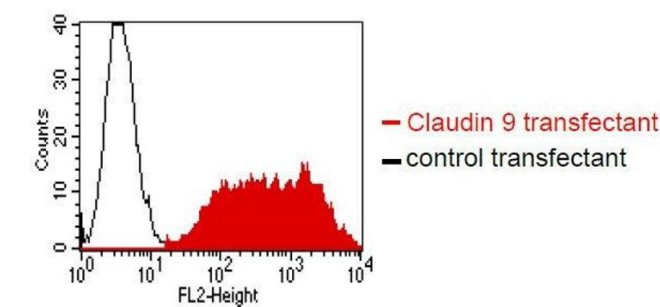
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C

Storage Comment: short term: 2 °C - 8 °C, long term: -20 °C

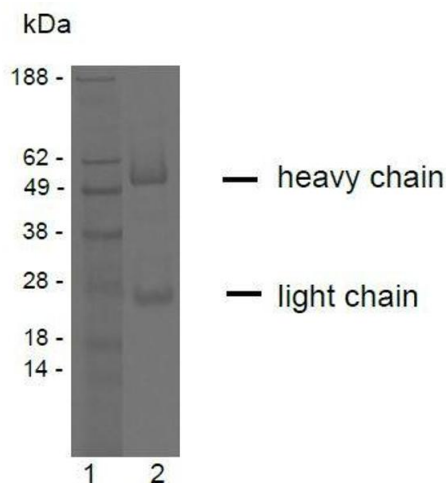
Publications

Product cited in: Fofana, Zona, Thumann, Heydmann, Durand, Lupberger, Blum, Pessaux, Gondeau, Reynolds, McKeating, Grunert, Thompson, Zeisel, Baumert: "Functional analysis of claudin-6 and claudin-9 as entry factors for hepatitis C virus infection of human hepatocytes by using monoclonal antibodies." in: **Journal of virology**, Vol. 87, Issue 18, pp. 10405-10, (2013) ([PubMed](#)).



Flow Cytometry

Image 1. . BOSC23 cells were transiently transfected with an expression vector encoding either Claudin 9 (red curve) or an irrelevant protein (control transfectant). Binding of YD-4E9 was detected with a PE conjugated secondary antibody. A positive signal was obtained only with Claudin 9 transfected cells.



SDS-PAGE

Image 2. SDS-PAGE analysis of purified YD-4E9 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 μ g of purified YD-4E9 antibody. Proteins were separated by SDS-PAGE and stained with RAPID StainTM Reagent.