

Catalog	Unit
TBS10380-0.5MG	0.5 mg
TBS10380-1MG	1 mg
TBS10380-5MG	5 mg

Description

Tribioscience in vivo Anti-Human CLDN3/Claudin-3 Antibody (CDN04) is a mouse-derived monoclonal antibody (IgG2a, κ) that specifically binds to the human tight-junction protein Claudin-3 (also known by aliases such as CPE-R2, hRVP1, C7orf1, and the Clostridium perfringens enterotoxin receptor 2), a four-transmembrane domain molecule critical for epithelial cell–cell adhesion and barrier function. This reagent is supplied for neutralization applications and is validated for reactivity with human Claudin-3, making it suitable for functional studies aimed at blocking Claudin-3 activity in vitro. Claudin-3 is widely studied in epithelial biology and oncology, as its expression is frequently upregulated in a range of carcinomas including ovarian, breast, colorectal, pancreatic, prostate, and other epithelial cancers, and is explored as both a biomarker and therapeutic target due to its altered expression and accessibility during tumorigenesis.

Product Details

Applications:	Neutralization
Species reactivity:	Human
Host:	Mouse
Isotype:	IgG2a, kappa
Target:	Claudin 3, Clostridium perfringens enterotoxin receptor 2, CPE-R 2, CPE-receptor 2, Rat ventral prostate.1 protein homolog, hRVP1, CLDN3, C7orf1, CPETR2.
Uniprot:	O15551
Concentration:	3 mg/ml
Purity:	>95%
Formulation:	Liquid
Storage buffer:	0.01M PBS, pH 7.4.
Purification:	Protein A/G purified from cell culture supernatant.
Clonality:	Monoclonal
Storage:	Store -20°C up to 12 months, and -80°C for long term. Avoid repeated freeze-thaw cycles.

Data Image

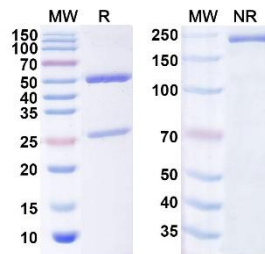


Fig. 1. SDS-PAGE for InVivo Anti-Human CLDN3/Claudin-3 Antibody
 MW: Molecular Weight (kDa) Marker.
 R: Reducing conditions.
 NR: Non-Reducing conditions.

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