

Anti-CDH17 / Cadherin-17 Reference Antibody (10C12)

Recombinant Antibody Catalog # APR10181

Specification

Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) - Product Information

Application FC, Kinetics, Animal Model

Primary Accession
Reactivity
Clonality
Monoclonal
Isotype
Q12864
Human
Monoclonal

Calculated MW 143.68 KDa

Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) - Additional Information

Target/Specificity CDH17 / Cadherin-17

Endotoxin

< 0.001EU/ µg,determined by LAL method.

Conjugation Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) - Protein Information

Name CDH17

Function

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. LI-cadherin may have a role in the morphological organization of liver and intestine. Involved in intestinal peptide transport.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed in the gastrointestinal tract and pancreatic duct. Not detected in kidney, lung, liver, brain, adrenal gland and skin.

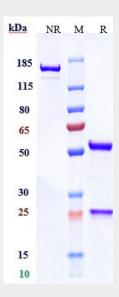


Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) - Protocols

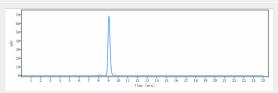
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) - Images

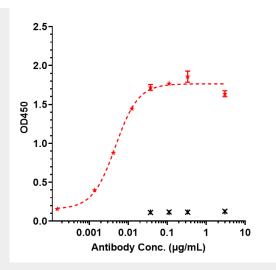


Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

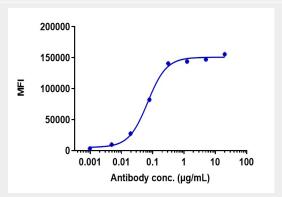


The purity of Anti-CDH17 / Cadherin-17 Reference Antibody (10C12)is more than 98.15% ,determined by SEC-HPLC.

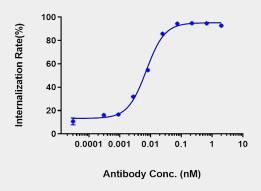




Immobilized human CDH17, His Tag at 2 μ g/mL can bind Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) \square EC50=0.00468 μ g/mL



Human CDH17 HEK293 cells were stained with Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC240=0.06889 $\mu g/mL$



The endocytosis ratio 10C12 by Human CDH17 HEK293 increased with the increase of antibody concentration, and the Internalization Rate (%) reached 80% at antibody concentration of 2 nM.



10C12 inhibited the tumor growth of COLO205 on nude mice. The result showed significant anti-tumor effects, with an tumor inhibition rate (TGI) of 70.0% at 5 mpk at D26.

Days post cell inoculation