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

Recombinant Antibody
Catalog # APR10181

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q12864
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	92219

Additional Information

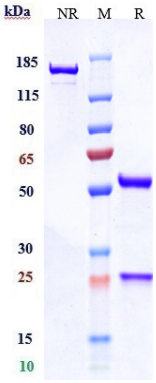
Target/Specificity	CDH17 / Cadherin-17
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

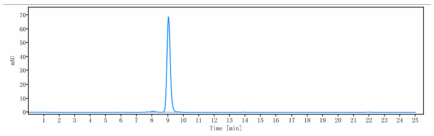
Name	CDH17
Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. LI-cadherin may have a role in the morphological organization 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.

Images

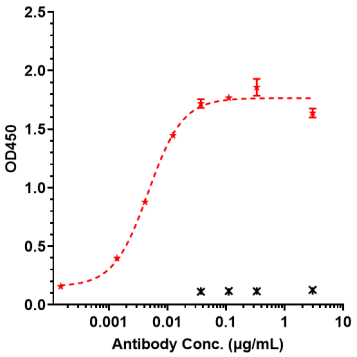
Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is



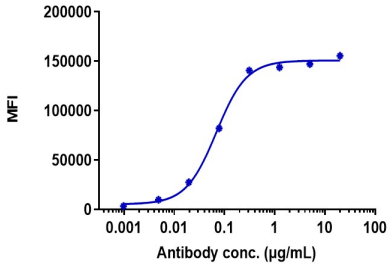
greater than 95%



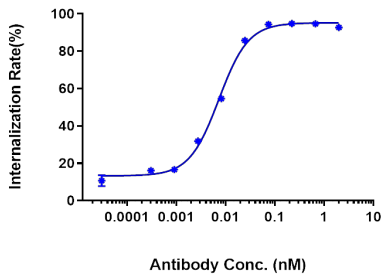
The purity of Anti-CDH17 / Cadherin-17 Reference Antibody (10C12)is more than 98.15% ,determined by SEC-HPLC.



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

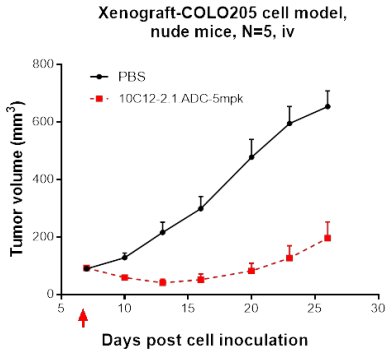


Human CDH17 HEK293 cells were stained with Anti-CDH17 / Cadherin-17 Reference Antibody (10C12) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC240=0.06889 μg/mL



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.



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