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

Recombinant Antibody
Catalog # APR10181

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q12864
Reactivity	Human
Clonality	Monoclonal
Isotype	Human IgG1
Calculated MW	92219

Additional Information

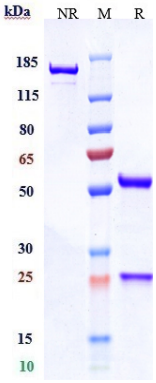
Target/Specificity	CDH17 / Cadherin-17
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

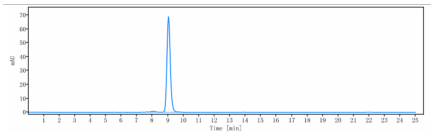
Protein Information

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.

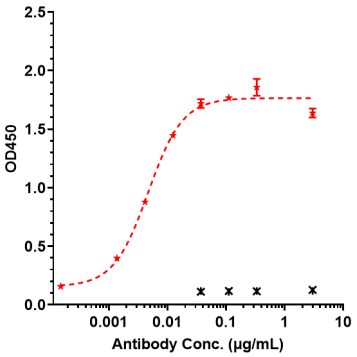
Images

Anti- Human CDH17(10C12) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

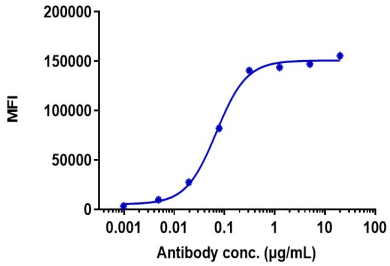




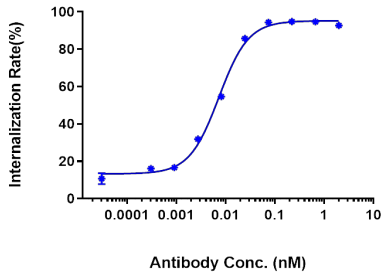
The purity of anti- Human CDH17(10C12) is 98.15%, determined by SEC-HPLC.



Immobilized human CDH17 (His Tag, 2 μg/mL) can bind to anti- Human CDH17(10C12) with an EC50 of 0.00468 ug/mL.

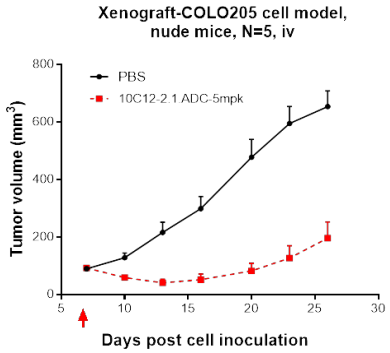


Human CDH17-expressing HEK293 cells were stained with Anti- Human CDH17(10C12) , with isotype and secondary-only controls. Flow analysis showed specific binding of the antibody, with an EC50 of 0.06889 ug/mL.



The endocytosis ratio of anti- human CDH17(10C12) in human CDH17-expressing HEK293 cells increased with rising antibody concentration, with the internalization rate reaching 80% at a concentration of 2 nM.

Anti- Human CDH17(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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