



CERTIFICATE OF ANALYSIS



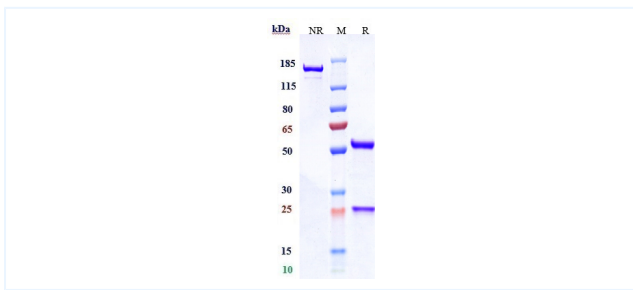
Product Details

Product name:	Anti-CDH17 / Cadherin-17 Reference Antibody (10C12)	Lot.No.:	P217456
Target:	CDH17 / Cadherin-17	Catalog:	CHB229
Target Accession:	Q12864	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	Human IgG1
Reactivity:	Human	Molecular Weight (kDa) :	150 kDa
Application:	FCM, In Vivo, ELISA	Endotoxin:	<1 EU/mg
Formulation:	Liquid: 100mM Pro-Ac, 20mM Arg pH 5.0 Lyophilization: 25mM histidine, 8% sucrose, 0.01% Tween80 pH6.2	Conjugation:	Unconjugated
Reconstitution:	For Powder, reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.	Expression System:	CHO
Storage:	-80°C for 2 years under sterile conditions; -20°C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.	Purification:	Protein A

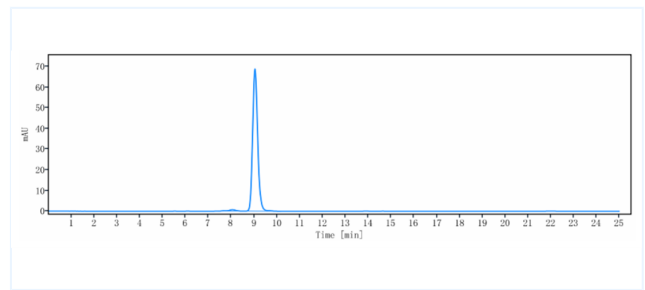
Data

Purity: SDS-PAGE

Purity: SEC-HPLC

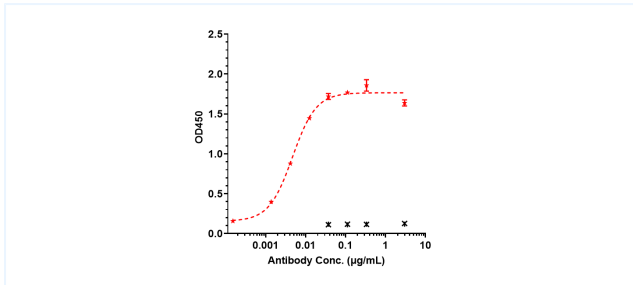


Anti- Human CDH17 (10C12) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



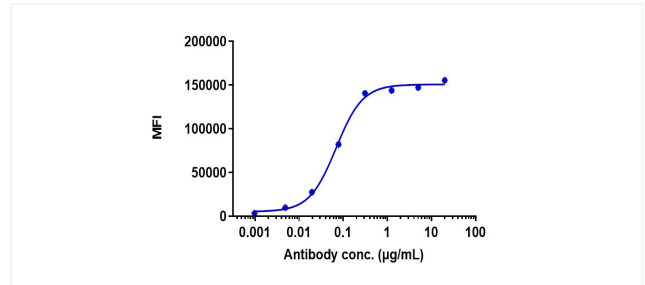
The purity of anti- Human CDH17 (10C12) is 98.15%, determined by SEC-HPLC.

Bioactivity: ELISA



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

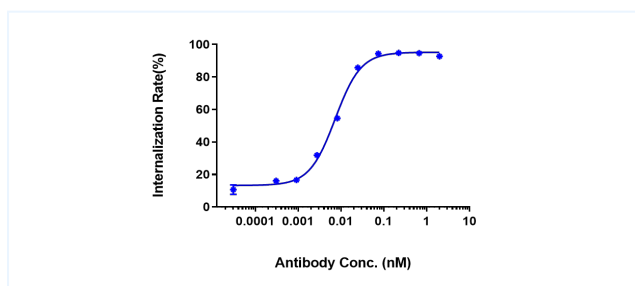
Bioactivity: FACS



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.

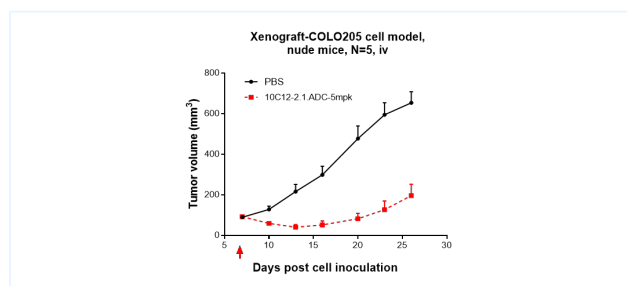
The products are for research use only. Not for use in diagnostic procedures.

Function: Internalization



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.

Research in vivo



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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