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Anti-CDH6 / K-Cadherin Reference Antibody (HKT288)

Recombinant Antibody
Catalog # APR10022

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P55285
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	88309

Additional Information

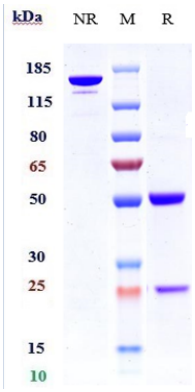
Target/Specificity	CDH6 / K-Cadherin
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

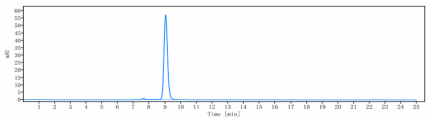
Protein Information

Name	CDH6
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.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in brain, cerebellum, and kidney. Lung, pancreas, and gastric mucosa show a weak expression. Also expressed in certain liver and kidney carcinomas

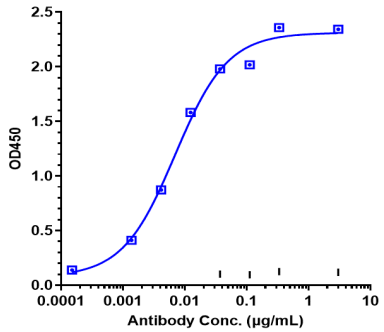
Images

Anti-CDH6 / K-Cadherin Reference Antibody (HKT288) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

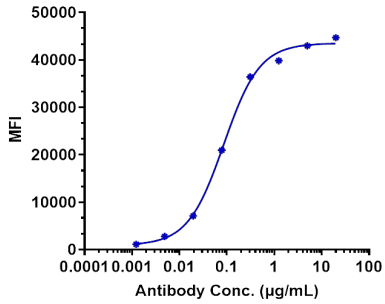




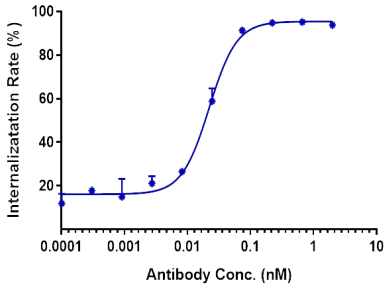
The purity of Anti-CDH6 / K-Cadherin Reference Antibody (HKT288) is 97.93%, determined by SEC-HPLC.



Immobilized Cyno CDH6 His at 2 ug/mL can bind Anti-CDH6 / K-Cadherin Reference Antibody (HKT288), EC50=0.006944 ug/mL.

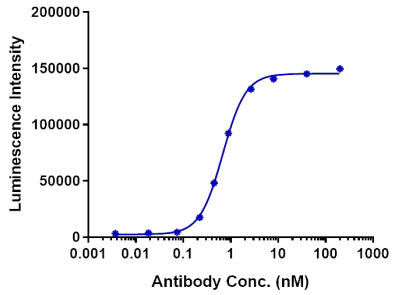


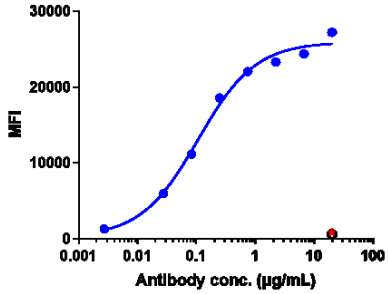
Human CDH6 HEK293 (A6) cells were stained with Anti-CDH6 / K-Cadherin Reference Antibody (HKT288) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=0.08624 ug/mL.



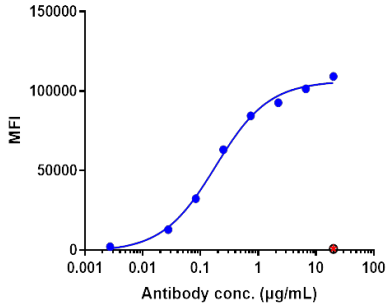
The endocytosis ratio HKT288 by Hu-CDH6-HEK293(A6) increased with the increase of antibody concentration, and the Internalization Rate (%) reached 93% at antibody concentration of 2 nM.

HKT288 induced OVCAR3 Luciferase activity was evaluated using huCD16a(V158)-NF-AT-Jurkat Reporter Cell. The EC50 was approximately 0.6792 nM.





Mouse CDH6 / K-Cadherin HEK293 Cell Line were stained with HKT288 and negative control protein respectively, washed and then followed by PE and analyzed with FACS,EC50=0.1068 ug/mL.



Cynomolgus / Rhesus Macaque CDH6 / K-Cadherin HEK293 Cell Line were stained with HKT288 and negative control protein respectively, washed and then followed by PE and analyzed with FACS,EC50=0.1818 ug/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.