



CERTIFICATE OF ANALYSIS

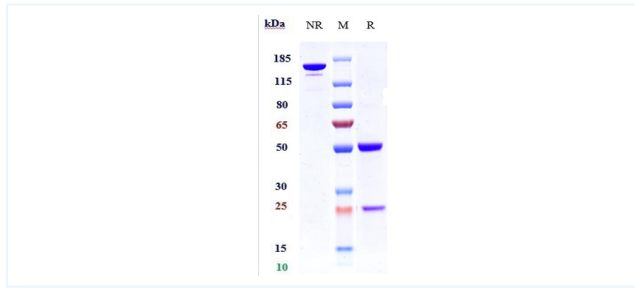


Product Details

Product name:	Anti-CDH6 / K-Cadherin Reference Antibody (HKT288)	Lot.No.:	P16770
Target:	CDH6 / K-Cadherin	Catalog:	CHA132
Target Accession:	P55285	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	IgG1
Reactivity:	Human	Molecular Weight (kDa) :	144.24 kDa
Application:	Kinetics (SPR), ELISA, Bioactivity: FACS, Functional assay, Research in vivo	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

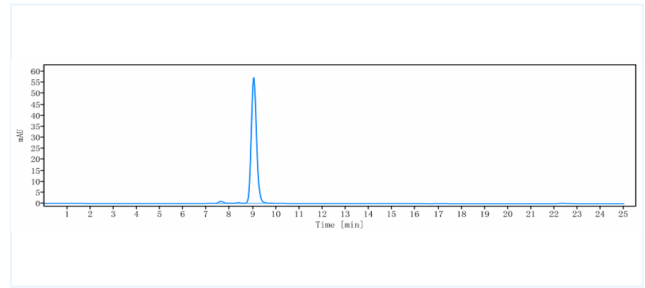
Data

Purity: SDS-PAGE



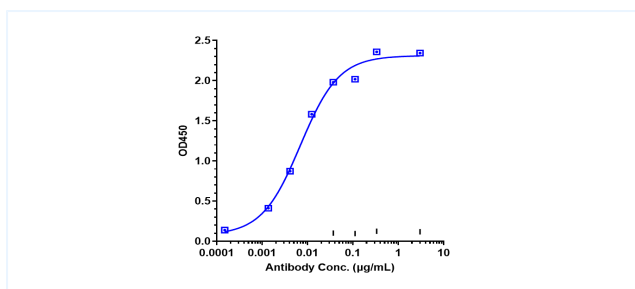
Anti-CDH6 / K-Cadherin Reference Antibody (HKT288) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



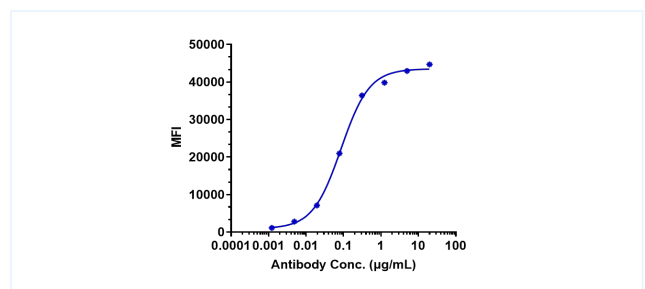
The purity of Anti-CDH6 / K-Cadherin Reference Antibody (HKT288) is 97.93%, determined by SEC-HPLC.

Bioactivity: ELISA



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

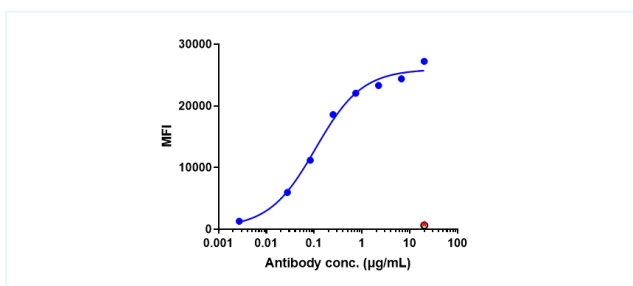
Bioactivity: FACS



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 µg/mL.

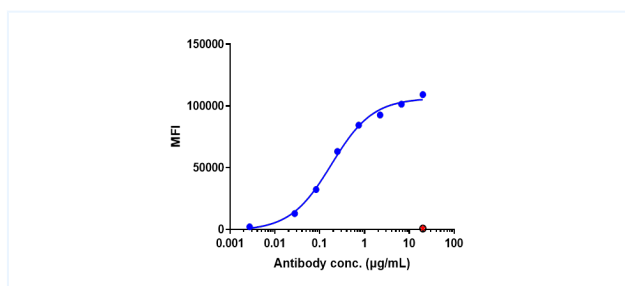
The products are for research use only. Not for use in diagnostic procedures.

Bioactivity: FACS



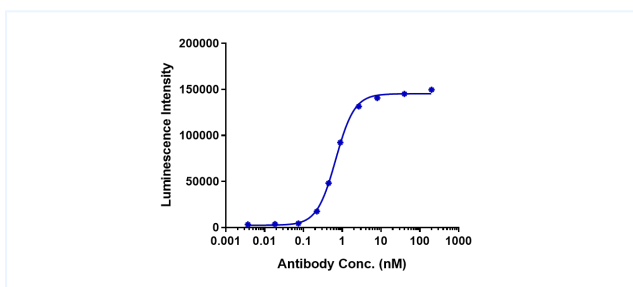
Mouse CDH6 / K-Cadherin HEK293 Cell Line were stained with HKT288 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC₅₀=0.1068 µg/mL.

Bioactivity: FACS



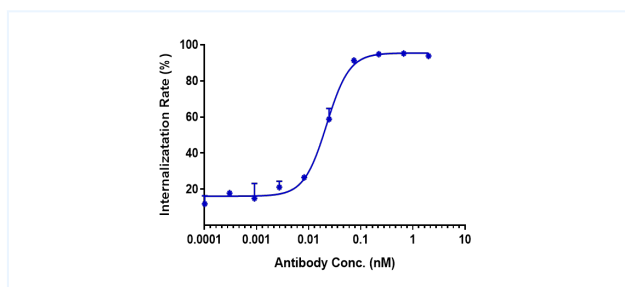
Cynomolgus / Rhesus Macaque CDH6 / K-Cadherin HEK293 Cell Line were stained with HKT288 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC₅₀=0.1818 µg/mL.

Function: Luciferase



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

Function: Internalization



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.

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