

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

Recombinant Antibody

Catalog # APR10022

Product Information

| | |
|--------------------------|----------------------------|
| Application | FC, Kinetics, Animal Model |
| Primary Accession | P55285 |
| Reactivity | Human |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 88309 |

Additional Information

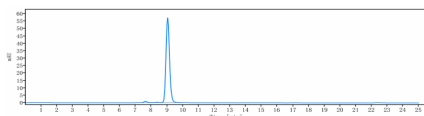
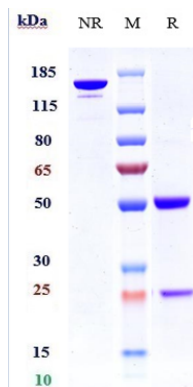
| | |
|----------------------------------|--|
| Target/Specificity | CDH6 / K-Cadherin |
| Endotoxin Conjugation | Unconjugated |
| Expression system | CHO Cell |
| Format | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.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

Protein Information

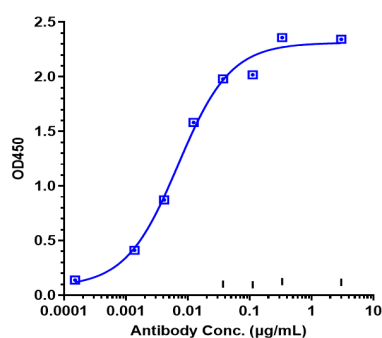
| | |
|--------------------------|--|
| Name | CDH6 |
| Function | Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. |
| Cellular Location | 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

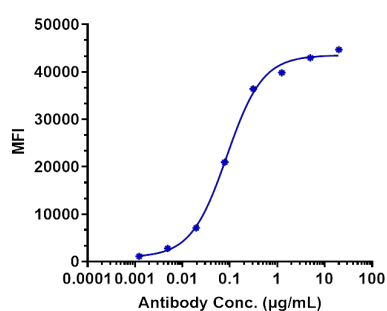
Anti-CDH6 / K-Cadherin Reference Antibody (HKT288) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



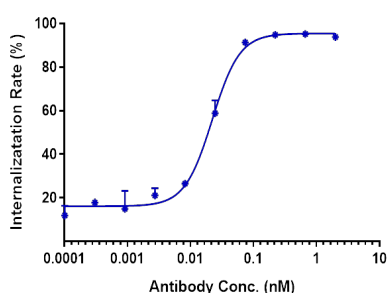
The purity of Anti-CDH6 / K-Cadherin Reference Antibody (HKT288) is more than 97.93%, determined by SEC-HPLC.



Immobilized Cyno CDH6 His at 2 µg/mL can bind Anti-CDH6 / K-Cadherin Reference Antibody (HKT288), $EC_{50}=0.006944$ µg/mL.

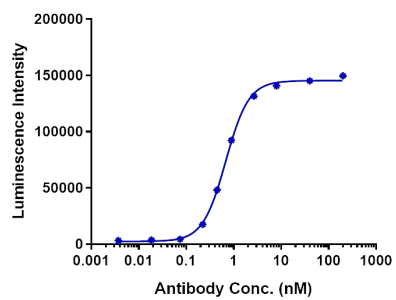


Human CDH6 HEK293(A6) cells were stained with Anti-CDH6 / K-Cadherin Reference Antibody (HKT288) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, $EC_{71}=0.08624$ µg/mL



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 EC_{50} was approximately 0.6792 nM.



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