

**Synonym**

CDH6, CAD6, KCAD, K-cadherin, Cadherin-6

**Source**

Mouse Cadherin-6, His Tag (CA6-M52H8) is expressed from human 293 cells (HEK293). It contains AA Thr 19 - Ala 615 (Accession # [P97326-1](#)).  
 Predicted N-terminus: Thr 19

**Molecular Characterization**

Cadherin-6(Thr 19 - Ala 615)  
 P97326-1

Poly-his

[Other Tags and Version](#) [Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the C-terminus. The Mouse Cadherin-6 will be further processed into mature form (Ser 54 - Ala 615).  
 The protein has a calculated MW of 68.3 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 1.0 EU per µg by the LAL method / rFC method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.  
 Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.  
**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.**

**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

**Please avoid repeated freeze-thaw cycles.**

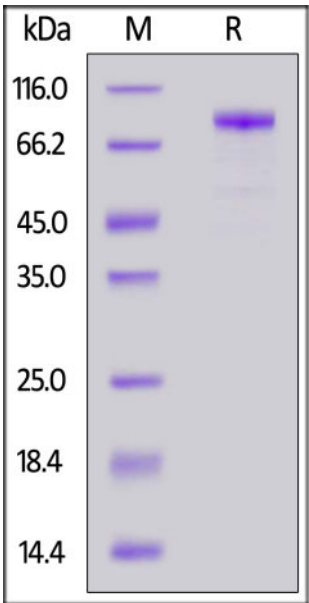
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**ACRO Quality Management System**

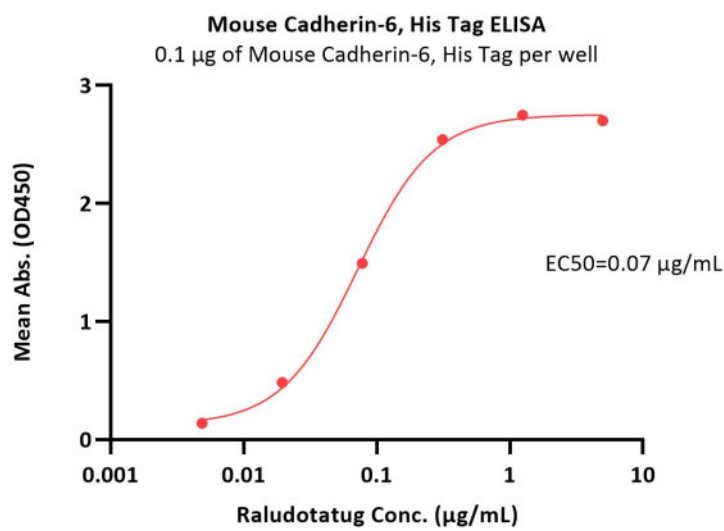
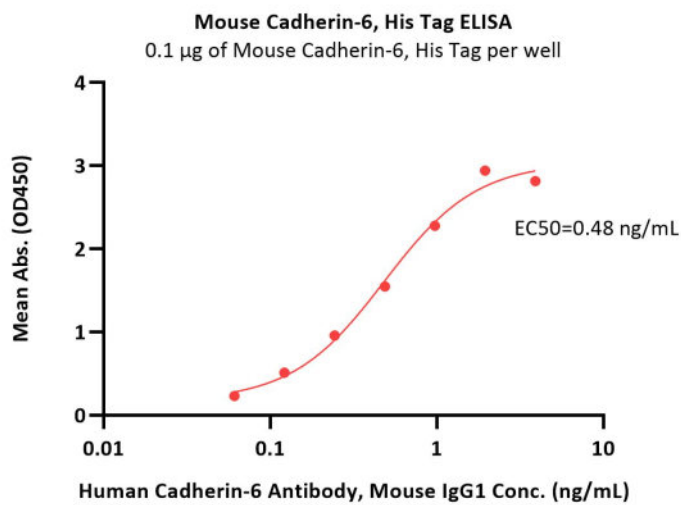
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

**SDS-PAGE**



Mouse Cadherin-6, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Immobilized Mouse Cadherin-6, His Tag (Cat. No. CA6-M52H8) at 1 µg/mL (100 µL/well) can bind Human Cadherin-6 Antibody, Mouse IgG1 with a linear range of 0.1-1 ng/mL (QC tested).  
Immobilized Mouse Cadherin-6, His Tag (Cat. No. CA6-M52H8) at 1 µg/mL (100 µL/well) can bind Raludotatug with a linear range of 0.005-0.313 µg/mL (Routinely tested).

Background

Cadherin-6 (CDH6) is also known as Kidney cadherin (K-cadherin or KCAD), is a type II classical cadherin from the cadherin superfamily. 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. CDH6 / KCAD contains five cadherin domains. CDH6 is highly expressed in brain, cerebellum, and kidney. Lung, pancreas, and gastric mucosa show a weak expression and also expressed in certain liver and kidney carcinomas.

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