

## ARG82575 Rat Cadherin 6 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

| Cat. No.     | Component Name                        | Package              | Temp  |
|--------------|---------------------------------------|----------------------|---|
| ARG82575-001 | Antibody-coated microplate            | 8 X 12 strips        | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82575-002 | Standard                              | 2 X 10 ng/vial       | 4°C   |
| ARG82575-003 | Standard/Sample diluent               | 30 ml (Ready to use) | 4°C   |
| ARG82575-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl)      | 4°C   |
| ARG82575-005 | Antibody diluent buffer               | 12 ml (Ready to use) | 4°C   |
| ARG82575-006 | HRP-Streptavidin concentrate (100X)   | 1 vial (100 µl)      | 4°C   |
| ARG82575-007 | HRP-Streptavidin diluent buffer       | 12 ml (Ready to use) | 4°C   |
| ARG82575-008 | 25X Wash buffer                       | 20 ml                | 4°C   |
| ARG82575-009 | TMB substrate                         | 10 ml (Ready to use) | 4°C (Protect from light)  |
| ARG82575-010 | STOP solution                         | 10 ml (Ready to use) | 4°C   |
| ARG82575-011 | Plate sealer                          | 4 strips             | Room temperature  |

### Summary

|                     |  |
|---------------------|--|
| Product Description | ARG82575 Rat Cadherin 6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Cadherin 6 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants. |
| Tested Reactivity   | Rat  |
| Tested Application  | ELISA  |
| Target Name         | Cadherin 6   |
| Conjugation         | HRP  |
| Conjugation Note    | Substrate: TMB and read at 450 nm.   |
| Sensitivity         | 78 pg/ml   |
| Sample Type         | Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.  |
| Standard Range      | 156 - 10000 pg/ml  |
| Sample Volume       | 100 µl   |
| Precision           | Intra-Assay CV: 4.2%<br>Inter-Assay CV: 7.1%   |

Alternate Names Cadherin-6; K-cadherin; KCAD; CAD6; Kidney cadherin

## Application Instructions

Assay Time ~ 5 hours

## Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol CDH6

Gene Full Name cadherin 6, type 2, K-cadherin (fetal kidney)

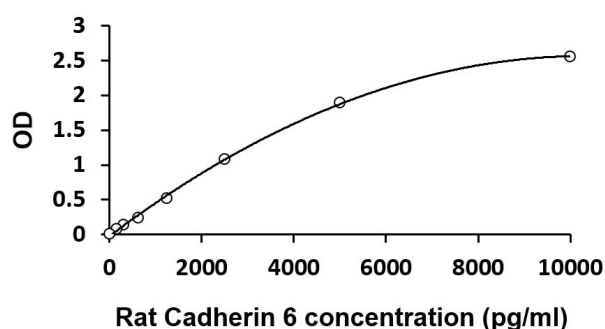
Background This gene encodes a member of the cadherin superfamily. Cadherins are membrane glycoproteins that mediate homophilic cell-cell adhesion and play critical roles in cell differentiation and morphogenesis. The encoded protein is a type II cadherin and may play a role in kidney development as well as endometrium and placenta formation. Decreased expression of this gene may be associated with tumor growth and metastasis. [provided by RefSeq, May 2011]

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. [UniProt]

Highlight Related products:  
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New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Cell membrane; Single-pass type I membrane protein. [UniProt]

## Images



ARG82575 Rat Cadherin 6 ELISA Kit standard curve image

ARG82575 Rat Cadherin 6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.