

## ARG82549 Mouse Cadherin 12 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82549-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82549-002	Standard	2 X 10 ng/vial	4°C
ARG82549-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82549-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82549-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82549-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82549-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82549-008	25X Wash buffer	20 ml	4°C
ARG82549-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82549-010	STOP solution	10 ml (Ready to use)	4°C
ARG82549-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82549 Mouse Cadherin 12 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Cadherin 12 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	Cadherin 12
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.2% Inter-Assay CV: 7.1%

Alternate Names Cadherin-12; Brain cadherin; CDHB; Neural type cadherin 2; BR-cadherin; N-cadherin 2

## 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 CDH12

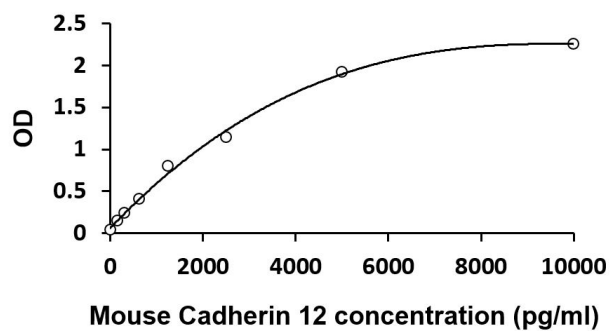
Gene Full Name cadherin 12, type 2 (N-cadherin 2)

Background This gene encodes a type II classical cadherin from the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. This particular cadherin appears to be expressed specifically in the brain and its temporal pattern of expression would be consistent with a role during a critical period of neuronal development, perhaps specifically during synaptogenesis. [provided by RefSeq, Jul 2008]

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:  
[Cadherin antibodies](#); [Cadherin ELISA Kits](#); [Cadherin Duos / Panels](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

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



ARG82549 Mouse Cadherin 12 ELISA Kit standard curve image

ARG82549 Mouse Cadherin 12 ELISA Kit results of a typical standard run with optical density reading at 450 nm.