

## ARG82106 Rat P Cadherin ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82106-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82106-002	Standard	2 X 10 ng/vial	4°C
ARG82106-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82106-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82106-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82106-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82106-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82106-008	25X Wash buffer	20 ml	4°C
ARG82106-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82106-010	STOP solution	10 ml (Ready to use)	4°C
ARG82106-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82106 Rat P Cadherin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat P Cadherin in serum and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	P Cadherin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 4.6%; Inter-Assay CV: 6.6%
Alternate Names	PCAD; Cadherin-3; P-cadherin; HJMD; Placental cadherin; CDHP

## Application Instructions

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Assay Time	~ 5 hours
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## Properties

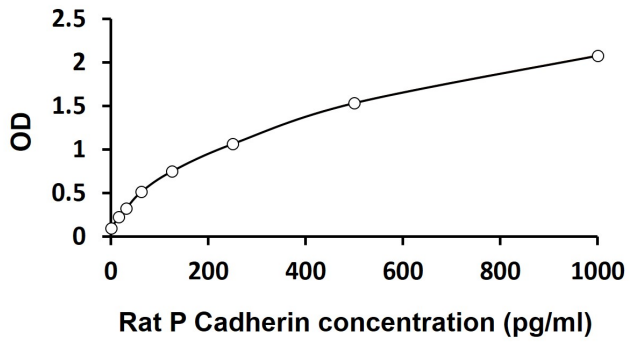
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Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	CDH3
Gene Full Name	cadherin 3, type 1, P-cadherin (placental)
Background	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congenital hypotrichosis with juvenile macular dystrophy. [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: <a href="#">Cadherin antibodies</a> ; <a href="#">Cadherin ELISA Kits</a> ; <a href="#">Cadherin Duos / Panels</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]



ARG82106 Rat P Cadherin ELISA Kit standard curve image

ARG82106 Rat P Cadherin ELISA Kit results of a typical standard run with optical density reading at 450 nm.