

Product datasheet

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ARG81700 Human P Cadherin ELISA Kit

Package: 96 wells Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81700-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81700-002	Standard	2 X 10 ng/vial	4°C
ARG81700-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81700-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81700-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81700-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81700-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81700-008	25X Wash buffer	20 ml	4°C
ARG81700-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81700-010	STOP solution	10 ml (Ready to use)	4°C
ARG81700-011	Plate sealer	4 strips	Room temperature

Summary

Product Description

	P Cadherin in serum and cell culture supernatants.		
Tested Reactivity	Hu		
Tested Application	ELISA		

ARG81700 Human P Cadherin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human

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 31.25 pg/ml

Sample Type Serum and cell culture supernatants.

Standard Range 62.5 - 4000 pg/ml

Sample Volume $100 \ \mu l$

Precision Intra-Assay CV: 6.6%; Inter-Assay CV: 7.4%

Alternate Names PCAD; Cadherin-3; P-cadherin; HJMD; Placental cadherin; CDHP

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 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 congential 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

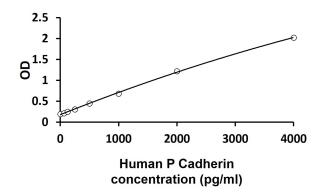
heterogeneous cell types. [UniProt]

Highlight Related products:

<u>Cadherin antibodies;</u> <u>Cadherin ELISA Kits;</u> <u>Cadherin Duos / Panels;</u>

New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81700 Human P Cadherin ELISA Kit standard curve image

ARG81700 Human P Cadherin ELISA Kit results of a typical standard run with optical density reading at 450 nm.