

ARG82576 Human Cadherin 15 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82576-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82576-002	Standard	2 X 10 ng/vial	4°C
ARG82576-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82576-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82576-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82576-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82576-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82576-008	25X Wash buffer	20 ml	4°C
ARG82576-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82576-010	STOP solution	10 ml (Ready to use)	4°C
ARG82576-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82576 Human Cadherin 15 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Cadherin 15 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Cadherin 15
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: 4.3% Inter-Assay CV: 5.9%

Alternate Names CDHM; CDH14; MRD3; MCAD; Cadherin-15; Cadherin-14; Muscle cadherin; M-cadherin; CDH3

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 CDH15

Gene Full Name cadherin 15, type 1, M-cadherin (myotubule)

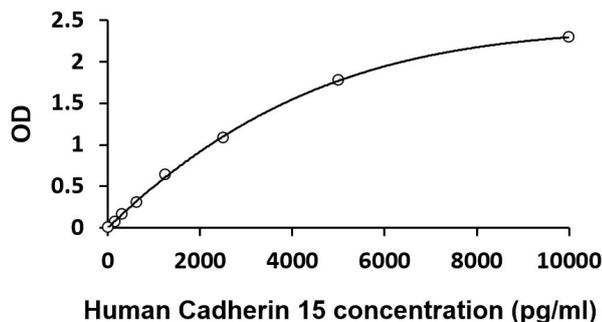
Background This gene is a member of the cadherin superfamily of genes, encoding calcium-dependent intercellular adhesion glycoproteins. Cadherins consist of an extracellular domain containing 5 cadherin domains, a transmembrane region, and a conserved cytoplasmic domain. Transcripts from this particular cadherin are expressed in myoblasts and upregulated in myotubule-forming cells. The protein is thought to be essential for the control of morphogenetic processes, specifically myogenesis, and may provide a trigger for terminal muscle cell differentiation. [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. M-cadherin is part of the myogenic program and may provide a trigger for terminal muscle differentiation. [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]

Images



ARG82576 Human Cadherin 15 ELISA Kit standard curve image

ARG82576 Human Cadherin 15 ELISA Kit results of a typical standard run with optical density reading at 450 nm.