

## ARG81627 Human CDCP1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81627-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81627-002	Standard	2 X 10 ng/vial	4°C
ARG81627-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81627-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81627-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81627-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81627-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81627-008	25X Wash buffer	20 ml	4°C
ARG81627-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81627-010	STOP solution	10 ml (Ready to use)	4°C
ARG81627-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81627 Human CDCP1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CDCP1 in serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CDCP1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.4% Inter-Assay CV: 7.0%
Alternate Names	Membrane glycoprotein gp140; CD antigen CD318; SIMA135; Subtractive immunization M plus HEp3-associated 135 kDa protein; CUB domain-containing protein 1; TRASK; Transmembrane and associated with src kinases; CD318

## Application Instructions

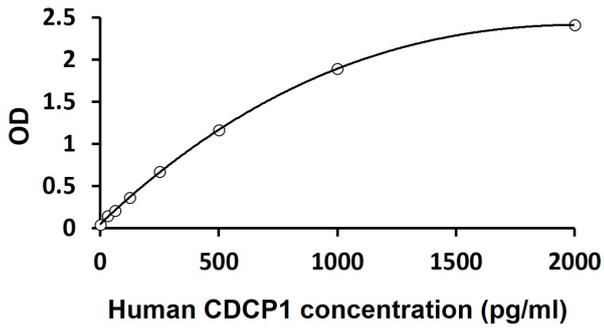
Assay Time	~ 5 hours
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## Properties

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	CDCP1
Gene Full Name	CUB domain containing protein 1
Background	This gene encodes a transmembrane protein which contains three extracellular CUB domains and acts as a substrate for Src family kinases. The protein plays a role in the tyrosine phosphorylation-dependent regulation of cellular events that are involved in tumor invasion and metastasis. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]
Function	May be involved in cell adhesion and cell matrix association. May play a role in the regulation of anchorage versus migration or proliferation versus differentiation via its phosphorylation. May be a novel marker for leukemia diagnosis and for immature hematopoietic stem cell subsets. Belongs to the tetraspanin web involved in tumor progression and metastasis. [UniProt]
Highlight	Related products: <a href="#">CDCP1 antibodies</a> ; <a href="#">CDCP1 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Phosphorylated on tyrosine by kinases of the SRC family such as SRC and YES as well as by the protein kinase C gamma/PRKCG. Dephosphorylated by phosphotyrosine phosphatases. Also phosphorylated by suramin, a heparin analog. Tyrosine phosphorylated in response to dissociation of integrin alpha-6 beta-4 from laminin-5.  N-glycosylated.  A soluble form may also be produced by proteolytic cleavage at the cell surface (shedding). Another peptide of 80 kDa (p80) is present in cultured keratinocytes probably due to tryptic cleavage at an unidentified site on its N-terminal side. Converted to p80 by plasmin, a trypsin-like protease. [UniProt]



ARG81627 Human CDCP1 ELISA Kit standard curve image

ARG81627 Human CDCP1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.