

ARG81996 Human CD146 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81996-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81996-002	Standard	2 X 10 ng/vial	4°C
ARG81996-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81996-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81996-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81996-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81996-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81996-008	25X Wash buffer	20 ml	4°C
ARG81996-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81996-010	STOP solution	10 ml (Ready to use)	4°C
ARG81996-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81996 Human CD146 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD146 in serum and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD146
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 µl

Precision	Intra-Assay CV: 4.9%; Inter-Assay CV: 6.2%
Alternate Names	Cell surface glycoprotein P1H12; Melanoma-associated antigen A32; Melanoma-associated antigen MUC18; Cell surface glycoprotein MUC18; Melanoma cell adhesion molecule; CD146; MUC18; CD antigen CD146; S-endo 1 endothelial-associated antigen

Application Instructions

Assay Time	~ 5 hours
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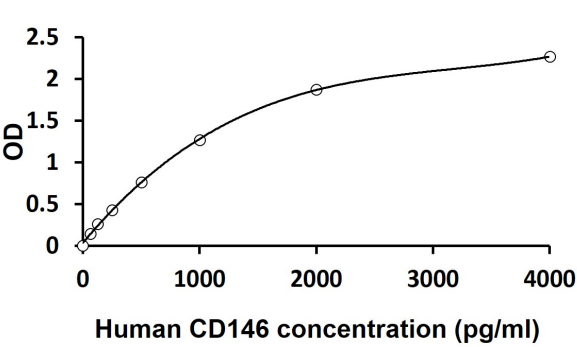
Properties

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	MCAM
Gene Full Name	melanoma cell adhesion molecule
Function	Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration. [UniProt]
Highlight	Related products: CD146 antibodies ; CD146 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81996 Human CD146 ELISA Kit standard curve image

ARG81996 Human CD146 ELISA Kit results of a typical standard run with optical density reading at 450 nm.