

ARG81677 Mouse CD106 / VCAM1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81677-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81677-002	Standard	2 X 10 ng/vial	4°C
ARG81677-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81677-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81677-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81677-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81677-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81677-008	25X Wash buffer	20 ml	4°C
ARG81677-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81677-010	STOP solution	10 ml (Ready to use)	4°C
ARG81677-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81677 Mouse CD106 / VCAM1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD106 / VCAM1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD106 / VCAM1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.9%; Inter-Assay CV: 8.2%
Alternate Names	CD106; INCAM-100; Vascular cell adhesion protein 1; VCAM-1; CD antigen CD106; V-CAM 1

Application Instructions

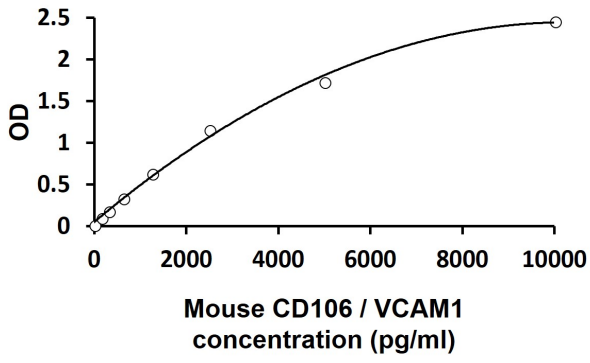
Assay Time	~ 5 hours
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Properties

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	VCAM1
Gene Full Name	vascular cell adhesion molecule 1
Background	This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2010]
Function	Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/ITGA4/ITGB1 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. [UniProt]
Highlight	Related products: CD106 antibodies ; CD106 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Sialoglycoprotein. [UniProt]



ARG81677 Mouse CD106 / VCAM1 ELISA Kit standard curve image

ARG81677 Mouse CD106 / VCAM1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.