

ARG80134 Human VCAM1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80134-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80134-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80134-003	Standard diluent buffer	20 ml	4°C
ARG80134-004	Antibody conjugate concentrate	400 µl	4°C
ARG80134-005	Antibody diluent buffer	16 ml	4°C
ARG80134-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80134-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80134-008	20X Wash buffer	50 ml	4°C
ARG80134-009	TMB substrate	12ml	4°C (Protect from light)
ARG80134-010	STOP solution	12ml	4°C
ARG80134-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80134 Human VCAM1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human VCAM1 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human E-Selectin/Fc Chimera , ICAM-1, ICAM-2/Fc Chimera, ICAM-3/Fc Chimera, MCAM and NCAM-L1/Fc Chimera; Mouse DCC/Fc Chimera and VCAM-1/Fc Chimera.
Target Name	CD106 / VCAM1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.

Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	CV: < 10%
Alternate Names	CD106; INCAM-100; Vascular cell adhesion protein 1; VCAM-1; CD antigen CD106; V-CAM 1

Application Instructions

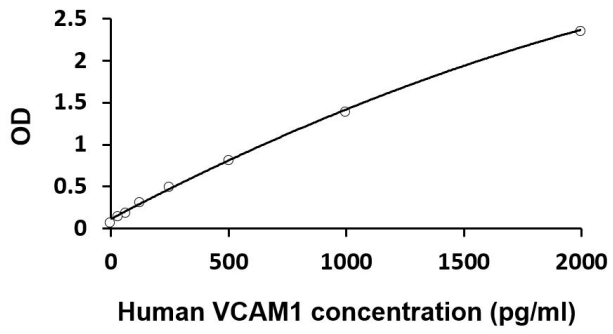
Assay Time	4 hours
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Properties

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 arteriosclerosis 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
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Developmental Biology kit; Neuroscience kit; Signaling Transduction kit
PTM	Sialoglycoprotein.



ARG80134 Human VCAM1 ELISA Kit standard curve image

ARG80134 Human VCAM1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.