

ARG82705 Human MAdCAM1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82705-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82705-002	Standard	2 X 10 ng/vial	4°C
ARG82705-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82705-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82705-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82705-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82705-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82705-008	25X Wash buffer	20 ml	4°C
ARG82705-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82705-010	STOP solution	10 ml (Ready to use)	4°C
ARG82705-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82705 Human MAdCAM1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human MAdCAM1 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	MAdCAM1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	16 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6.5% Inter-Assay CV: 7.0%

Alternate Names Mucosal addressin cell adhesion molecule 1; hMAdCAM-1; MAdCAM-1; MACAM1

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 MADCAM1

Gene Full Name mucosal vascular addressin cell adhesion molecule 1

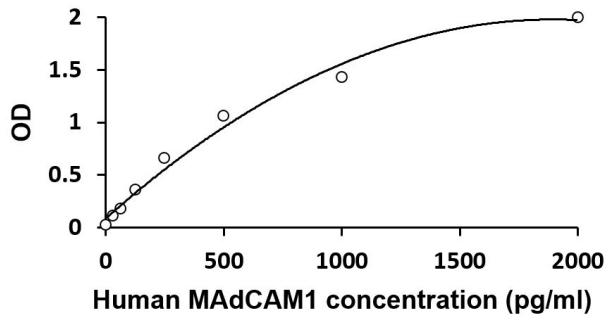
Background The protein encoded by this gene is an endothelial cell adhesion molecule that interacts preferentially with the leukocyte beta7 integrin LPAM-1 (alpha4beta7), L-selectin, and VLA-4 (alpha4beta1) on myeloid cells to direct leukocytes into mucosal and inflamed tissues. It is a member of the immunoglobulin family and is similar to ICAM1 and VCAM1. At least seven alternatively spliced transcripts encoding different protein isoforms have been found for this gene, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]

Function Cell adhesion leukocyte receptor expressed by mucosal venules, helps to direct lymphocyte traffic into mucosal tissues including the Peyer patches and the intestinal lamina propria. It can bind both integrin alpha-4/beta-7 and L-selectin, regulating both the passage and retention of leukocytes. Isoform 2, lacking the mucin-like domain, may be specialized in supporting integrin alpha-4/beta-7-dependent adhesion strengthening, independent of L-selectin binding. [UniProt]

Highlight Related products:
[MAdCAM1 antibodies](#); [MAdCAM1 ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

PTM The Ser/Thr-rich mucin-like domain may provide possible sites for O-glycosylation. [UniProt]

Cellular Localization Membrane; Single-pass type I membrane protein. [UniProt]



ARG82705 Human MAdCAM1 ELISA Kit standard curve image

ARG82705 Human MAdCAM1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.