

ARG81650 Rat sCD54 / sICAM1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81650-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81650-002	Standard	2 X 10 ng/vial	4°C
ARG81650-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81650-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81650-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81650-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81650-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81650-008	25X Wash buffer	20 ml	4°C
ARG81650-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81650-010	STOP solution	10 ml (Ready to use)	4°C
ARG81650-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81650 Rat sCD54 / sICAM1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat sCD54 / sICAM1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	sCD54 / sICAM1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.3%; Inter-Assay CV: 7.0%
Alternate Names	CD54; CD antigen CD54; BB2; P3.58; Intercellular adhesion molecule 1; Major group rhinovirus receptor; ICAM-1

Application Instructions

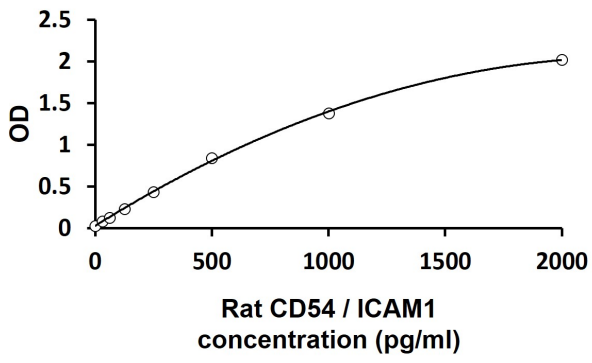
Assay Time	~ 5 hours
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Properties

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	ICAM1
Gene Full Name	intercellular adhesion molecule 1
Background	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]
Function	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation. In case of rhinovirus infection acts as a cellular receptor for the virus. [UniProt]
Highlight	<p>Related products: CD54 antibodies; CD54 ELISA Kits; CD54 Duos / Panels;</p> <p>Related news: Detecting MMPs and their non-ECM substrates</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
PTM	Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis. [UniProt]



ARG81650 Rat sCD54 / sICAM1 ELISA Kit standard curve image

ARG81650 Rat sCD54 / sICAM1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
