

ARG81949 Human ICAM5 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81949-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81949-002	Standard	2 X 10 ng/vial	4°C
ARG81949-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81949-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81949-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81949-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81949-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81949-008	25X Wash buffer	20 ml	4°C
ARG81949-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81949-010	STOP solution	10 ml (Ready to use)	4°C
ARG81949-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81949 Human ICAM5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human ICAM5 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	ICAM5
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: 4.8%; Inter-Assay CV: 5.4%
Alternate Names	Telencephalin; Intercellular adhesion molecule 5; TLCN; TLN; ICAM-5

Application Instructions

Assay Time	~ 5 hours
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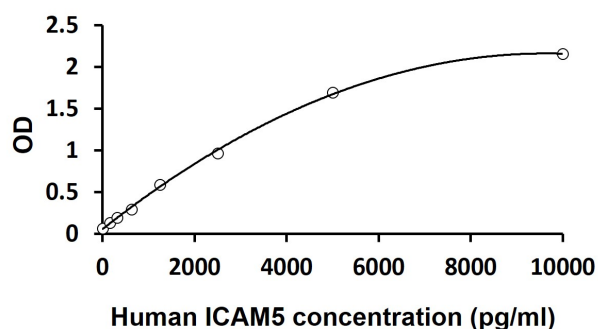
Properties

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	ICAM5
Gene Full Name	intercellular adhesion molecule 5, telencephalin
Background	The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is expressed on the surface of telencephalic neurons and displays two types of adhesion activity, homophilic binding between neurons and heterophilic binding between neurons and leukocytes. It may be a critical component in neuron-microglial cell interactions in the course of normal development or as part of neurodegenerative diseases. [provided by RefSeq, Jul 2008]
Function	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). [UniProt]
Highlight	Related products: ICAM5 antibodies ; ICAM5 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Glycosylation at Asn-54 is critical for functional folding. [UniProt]

Images



ARG81949 Human ICAM5 ELISA Kit standard curve image

ARG81949 Human ICAM5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.