ARG81895
Human CD321 / JAM1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81895-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81895-002	Standard	2 X 10 ng/vial	4°C
ARG81895-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81895-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81895-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81895-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81895-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81895-008	25X Wash buffer	20 ml	4°C
ARG81895-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81895-010	STOP solution	10 ml (Ready to use)	4°C
ARG81895-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81895 Human CD321 / JAM1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD321 / JAM1 in serum and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD321 / JAM1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.45 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	46.9 - 3000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2%; Inter-Assay CV: 6.8%
Alternate Names	JAM-1; JAM1; Junctional adhesion molecule A; CD antigen CD321; JCAM; JAM-A; Junctional adhesion molecule 1; PAM-1; JAM; JAMA; KAT; Platelet F11 receptor; Platelet adhesion molecule 1; CD321

Application Instructions

Assay Time	~ 5 hours

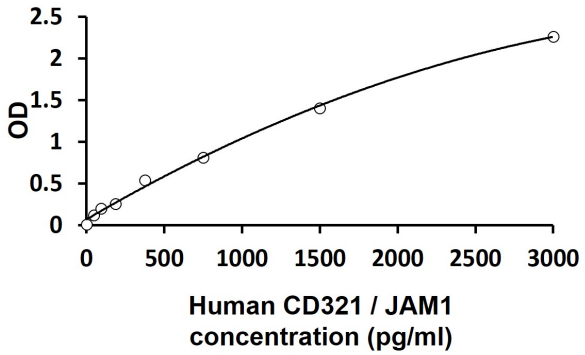
Properties

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	F11R
Gene Full Name	F11 receptor
Background	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is an important regulator of tight junction assembly in epithelia. In addition, the encoded protein can act as (1) a receptor for reovirus, (2) a ligand for the integrin LFA1, involved in leukocyte transmigration, and (3) a platelet receptor. Multiple 5' alternatively spliced variants, encoding the same protein, have been identified but their biological validity has not been established. [provided by RefSeq, Jul 2008]
Function	Seems to play a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions and recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly (By similarity). Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier. Involved in platelet activation. In case of orthoreovirus infection, serves as receptor for the virus. [UniProt]
Highlight	Related products: CD321 antibodies; CD321 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]

Images



ARG81895 Human CD321 / JAM1 ELISA Kit standard curve image

ARG81895 Human CD321 / JAM1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.