

## ARG82380 Human JAML ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82380-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82380-002	Standard	2 X 10 ng/vial	4°C
ARG82380-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82380-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82380-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82380-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82380-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82380-008	25X Wash buffer	20 ml	4°C
ARG82380-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82380-010	STOP solution	10 ml (Ready to use)	4°C
ARG82380-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82380 Human JAML ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human JAML in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	JAML
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.7% Inter-Assay CV: 6.8%

**Alternate Names** Junctional adhesion molecule-like; Gm638; Dendritic cell-specific protein CREA7-1; CREA7-1; CREA7-4; Adhesion molecule interacting with CXADR antigen 1; JAML; AMICA

## Application Instructions

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**Assay Time** ~ 5 hours

## Properties

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**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

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**Gene Symbol** AMICA1

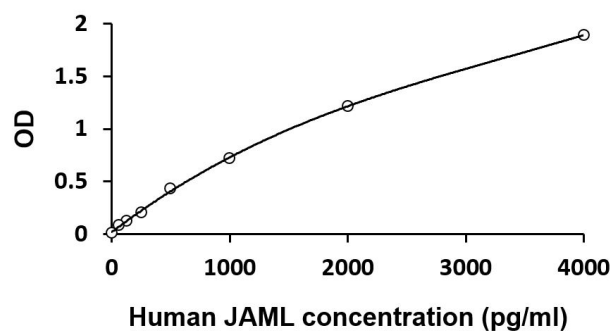
**Gene Full Name** adhesion molecule, interacts with CXADR antigen 1

**Function** Transmembrane protein of the plasma membrane of leukocytes that control their migration and activation through interaction with CXADR, a plasma membrane receptor found on adjacent epithelial and endothelial cells. The interaction between both receptors mediates the activation of gamma-delta T-cells, a subpopulation of T-cells residing in epithelia and involved in tissue homeostasis and repair. Upon epithelial CXADR-binding, AMICA1 induces downstream cell signaling events in gamma-delta T-cells through PI3-kinase and MAP kinases. It results in proliferation and production of cytokines and growth factors by T-cells that in turn stimulate epithelial tissues repair. It also controls the transmigration of leukocytes within epithelial and endothelial tissues through adhesive interactions with epithelial and endothelial CXADR. [UniProt]

**Highlight** Related products:

New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**Cellular Localization** Cell membrane; Single-pass type I membrane protein. Cell junction. Note=Localized at the plasma membrane and enriched in areas of cell-cell contacts (PubMed:12869515). [UniProt]



ARG82380 Human JAML ELISA Kit standard curve image

ARG82380 Human JAML ELISA Kit results of a typical standard run with optical density reading at 450 nm.