DATASHEET

CD322 Mouse Monoclonal Antibody(C2785)

CAT. NO. AMA02397

KEY FEATURES

Target	CD322	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IF/ICC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Junctional adhesion protein that mediates heterotypic cell-cell interactions with its cognate receptor JAM3 to regulate different cellular processes . Plays a role in homing and mobilization of hematopoietic stem and progenitor cells within the bone marrow . At the surface of bone marrow stromal cells, it contributes to the retention of the hematopoietic stem and progenitor cells expressing JAM3 . Plays a central role in leukocytes extravasation by facilitating not only transmigration but also tethering and rolling of leukocytes along the endothelium . Tethering and rolling of leukocytes are dependent on the binding by JAM2 of the integrin alpha-4/beta-1 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:100
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to CD322
Specificity	Recognizes endogenous levels of CD322 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD322 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 33 kD; Observed: 33 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	C21orf43; VEJAM; Junctional adhesion molecule B; JAM-B; Junctional adhesion molecule 2; JAM-2; Vascular endothelial junction-associated molecule; VE-JAM; CD322
Gene Symbol	JAM2
Entrez Gene	58494(Human)
SwissProt	P57087(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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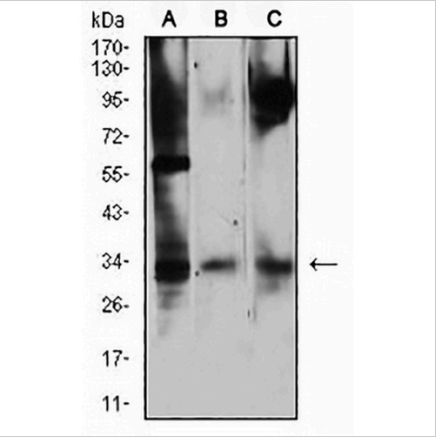
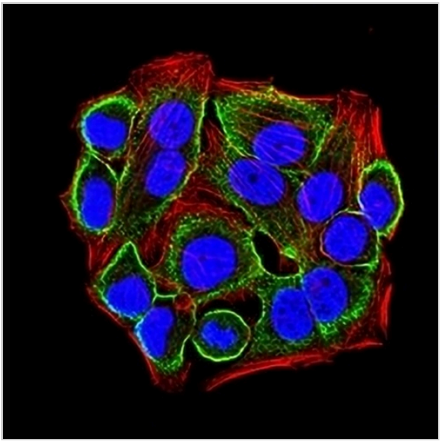
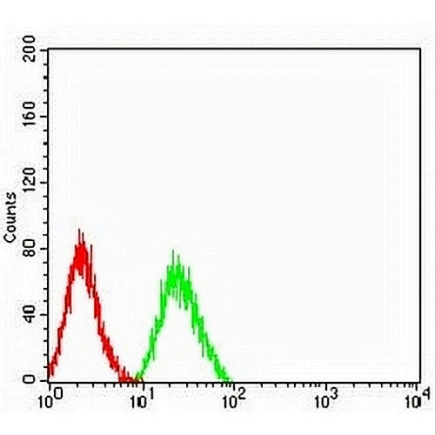
DATA



Western blot analysis of CD322 expression in NIH/3T3 (A), Ramos (B), HepG2 (C) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 33 kD kD)



Immunofluorescent analysis of CD322 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HL60 cells using Anti-CD322 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.