

Human JAM-B/VE-JAM antibody

Catalog Number: ATGA0506

PRODUCT INFORMATION

Catalog number

ATGA0506

Clone No.

AT21D7

Product type

Monoclonal Antibody

UnitProt No.

P57087

NCBI Accession No.

NP_067042

Alternative Names

Junctional adhesion molecule B, C21orf43, CD322, JAM-B, JAMB, PRO245, VE-JAM, VEJAM

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human JAM2 (21-238aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

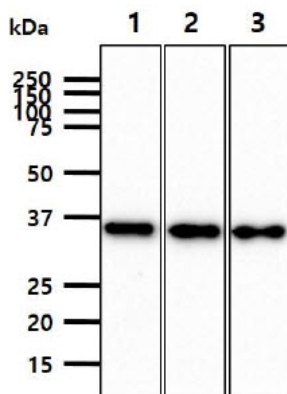
JAM2, also known as CD322, belongs to the immunoglobulin superfamily, and the junctional adhesion molecule (JAM) family. JAM2 is a type I membrane protein that is localized at the tight junctions of both epithelial and endothelial cells. It acts as an adhesive ligand for interacting with a variety of immune cell types, and may play a role in lymphocyte homing to secondary lymphoid organs.

General References

Zhang Z., et al. (2004) Protein Sci. 13:2819-2824.
Liu T., et al. (2005) J. Proteome Res. 4:2070-2080.

DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human JAM-B antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: K562 cell lysate
Lane 2.: LNCaP cell lysate
Lane 3.: A549 cell lysate