10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

F11R Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP8757b

Specification

F11R Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	Q9Y624

F11R Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 50848

Other Names
Junctional adhesion molecule A, JAM-A, Junctional adhesion molecule 1, JAM-1, Platelet F11 receptor, Platelet adhesion molecule 1, PAM-1, CD321, F11R, JAM1, JCAM

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8757b was selected from the C-term region of human F11R. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

F11R Antibody (C-term) Blocking Peptide - Protein Information

Name F11R

Synonyms JAM1, JCAM

Function
Seems to play a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions and recruits PARD3 (PubMed:11489913). 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 (By similarity). Ligand for integrin alpha-L/beta-2 involved in memory T- cell and neutrophil transmigration (PubMed:11812992). Involved in platelet activation (PubMed:10753840).

Cellular Location
Cell junction, tight junction. Cell membrane; Single-pass type I membrane protein. Note=Localized at tight junctions of both epithelial and endothelial cells.

Tissue Location
Expressed in endothelium, epithelium and leukocytes (at protein level).

F11R Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

F11R Antibody (C-term) Blocking Peptide - Images

F11R Antibody (C-term) Blocking Peptide - 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, F11R can act as (1) a receptor for reovirus, (2) a ligand for the integrin LFA1, involved in leukocyte transmigration, and (3) a platelet receptor.

F11R Antibody (C-term) Blocking Peptide - References

Naik,U.P., et.al., Biochem. J. 310 (PT 1), 155-162 (1995)