
Product Name: KD-Validated F11 Receptor Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01051

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 32.6kDa

Antigen Information

Gene Name	F11R
Alternative Names	F11R; CD321; JAM; JAM-1; JAM-A; JAM1; JAMA; JCAM; KAT; PAM-1; Junction adhesion molecule 1
Gene ID	50848.0
SwissProt ID	Q9Y624
Immunogen	A synthesized peptide derived from human JAM1

Background

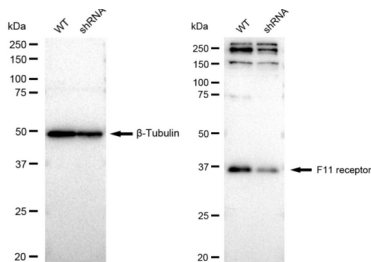
Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily 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]

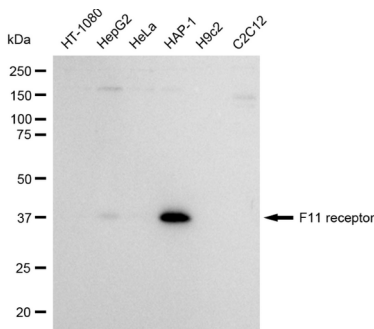
Research Area

Cardiovascular,Signal Transduction

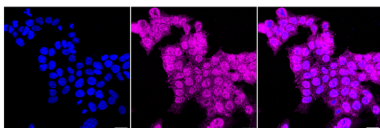
Image Data



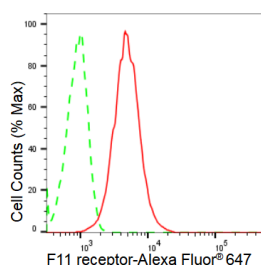
Western blotting analysis using F11 receptor antibody (KVA01051). F11 receptor expression in wild type (WT) and F11 receptor shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with F11 receptor antibody (KVA01051, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using F11 receptor antibody (KVA01051). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with F11 receptor antibody (KVA01051, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with F11 receptor antibody (KVA01051, 1:1,000). Nuclei were stained blue with DAPI; F11 receptor was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of F11 receptor expression in HAP-1 cells using F11 receptor antibody (KVA01051, 1:2,000). Green, isotype control; red, F11 receptor.