

For Research Use Only

Mouse CD239/BCAM Polyclonal antibody, PBS Only

Catalog Number:33665-1-PBS



Basic Information

Catalog Number:

33665-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6306

GenBank Accession Number:

NM_020486.2

GeneID (NCBI):

57278

UNIPROT ID:

Q9R069

Full Name:

basal cell adhesion molecule

Calculated MW:

68 kDa

Observed MW:

67 kDa, 78-85 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

mouse, rat

Background Information

Basal cell adhesion molecule (Lu/BCAM) is a membrane-bound glycoprotein of the immunoglobulin superfamily (IgSF), functioning as a receptor for the extracellular matrix protein, laminin. BCAM (Lutheran/basal cell-adhesion molecule, a glycoprotein) belongs to the immunoglobulin superfamily which contains both Lu blood group and BCAM tumor-associated antigens. Proteomics analysis suggests that BCAM might be a potential biomarker for pancreatic cancer (PMID: 19199705). BCAM, involved in cell adhesion and migration, can also promote tumor metastasis and has been elucidated to play a functional role in the metastasis of thyroid cancer and gastric cancer (PMID: 10728810, 35941663). De-glycosylated BCAM has a predicted molecular weight of 67 kDa. Two BCAM glycoprotein (gp) isoforms are present on human RBCs, Lu (85 kDa) and Lu(v13) (78 kDa); they result from the alternative splicing of intron 13 and differ by the lengths of their cytoplasmic domains (PMID: 23160466).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

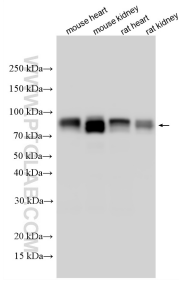
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

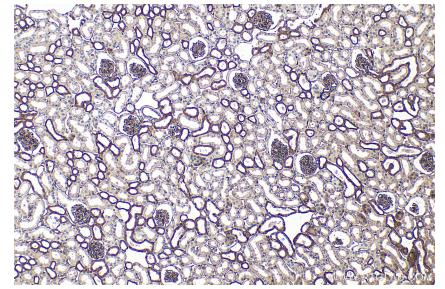
Selected Validation Data



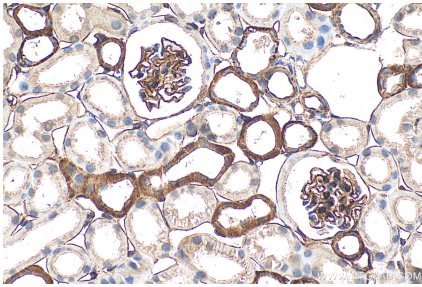
Various lysates were subjected to SDS PAGE followed by western blot with 33665-1-AP (CD239/BCAM antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33665-1-PBS in a different storage buffer formulation.



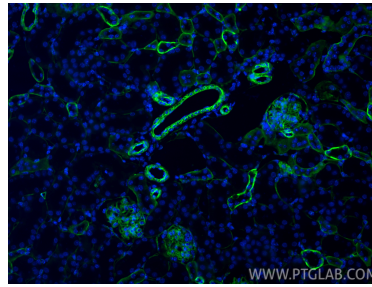
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 33665-1-AP (CD239/BCAM antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33665-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 33665-1-AP (CD239/BCAM antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33665-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 33665-1-AP (CD239/BCAM antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33665-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using CD239/BCAM antibody (33665-1-AP) at dilution of 1:300 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33665-1-PBS in a different storage buffer formulation.