

Recombinant BCAM/CD239 Monoclonal Antibody

catalog number: **AN300587P**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

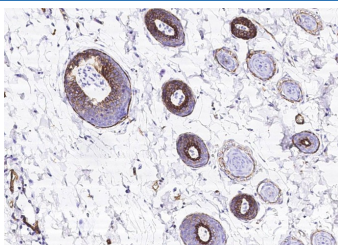
Description

| | |
|---------------------|------------------------------------|
| Reactivity | Rat |
| Immunogen | Recombinant Rat BCAM/CD239 protein |
| Host | Rabbit |
| Isotype | IgG |
| Clone | B522 |
| Purification | Protein A |
| Buffer | 0.2 µm filtered solution in PBS |

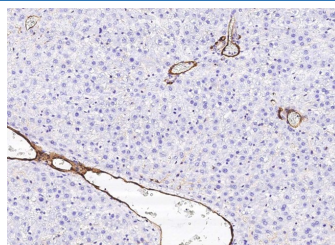
Applications Recommended Dilution

| | |
|--------------|-------------|
| IHC-P | 1:100-1:500 |
|--------------|-------------|

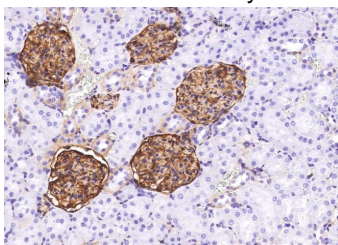
Data



Immunohistochemistry of paraffin-embedded rat skin using BCAM/CD239 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded rat liver using BCAM/CD239 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded rat kidney using BCAM/CD239 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

| | |
|-----------------|--|
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Shipping | Ice bag |

Background

For Research Use Only

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Rev. V1.1

The Lutheran (Lu) blood group and basal cell adhesion molecule (BCAM) antigens are both carried by 2 glycoprotein isoforms of the immunoglobulin superfamily representing receptors for the laminin alpha(5) chain. It is a transmembrane receptor with five immunoglobulin-like domains in its extracellular region, and is therefore classified as a member of the immunoglobulin (Ig) gene family. In addition to red blood cells, Lu/BCAM proteins are expressed in endothelial cells of vascular capillaries and in epithelial cells of several tissues. BCAM/LU has a wide tissue distribution with a predominant expression in the basal layer of the epithelium and the endothelium of blood vessel walls. As designated as CD239 recently, BCAM and LU share a significant sequence similarity with the CD146 (MUC18) and CD166, and themselves are adhesion molecules that bind laminin with high affinity. Laminins are found in all basement membranes and are involved in cell differentiation, adhesion, migration, and proliferation. BCAM is upregulated following malignant transformation of some cell types in vivo and in vitro, thus being a candidate molecule involved in tumor progression. In addition, BCAM interacts with integrin in sickle red cells, and thus may potentially play a role in vaso-occlusive episodes.