

Rabbit anti-Rat BCAM Monoclonal Antibody | anti-BCAM antibody

Recombinant Anti-BCAM Antibody, Rabbit Monoclonal

CATALOG # AAA257307	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry
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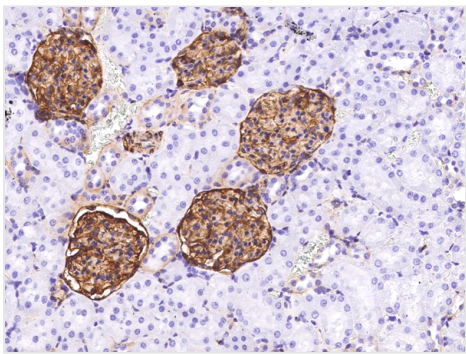
PRODUCT SYNONYMS

BCAM; Monoclonal Antibody; Recombinant Anti-BCAM Antibody; Rabbit Monoclonal; BCAM/CD239 Antibody; Rabbit MAb; basal cell adhesion molecule (Lutheran blood group); anti-BCAM antibody

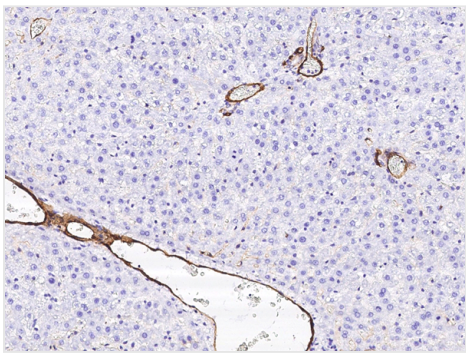
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	005
Specificity	Rat BCAM/CD239
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-BCAM antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Rat BCAM/CD239 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Rat BCAM/CD239 (rR BCAM/CD239).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

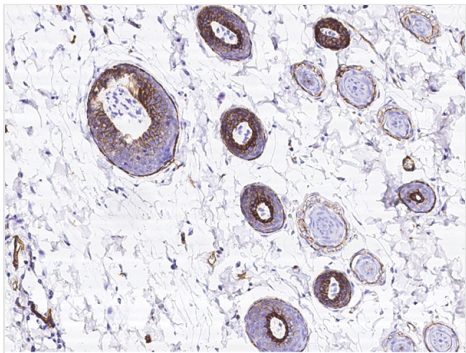
IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of rat BCAM in rat kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of rat BCAM in rat liver with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of rat BCAM in rat skin with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-BCAM antibody	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.
References	Kikkawa Y, et al. (2005) Review: Lutheran/B-CAM: a laminin receptor on red blood cells and in various tissues. Connect Tissue Res. 46 (4-5): 193-9.El Nemer W, et al. (2007) Endothelial Lu/BCAM glycoproteins are novel ligands for red blood cell alpha4beta1 integrin: role in adhesion of sickle red blood cells to endothelial cells. Blood. 109 (8): 3544-51.Colin Y, et al. (2008) Red cell and endothelial Lu/BCAM beyond sickle cell disease. Transfus Clin Biol. 15 (6): 402-5.El Nemer W, et al. (2008) Role of Lu/BCAM in abnormal adhesion of sickle red blood cells to vascular endothelium. Transfus Clin Biol. 15 (1-2): 29-33.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13929056
NCBI GeneID	78958
NCBI Accession #	NP_113940.1

NCBI GenBank Nucleotide #	NM_031752.2
UniProt Accession #	Q9ESS6
Molecular Weight	67,512 Da
NCBI Official Full Name	basal cell adhesion molecule
NCBI Official Synonym Full Names	basal cell adhesion molecule (Lutheran blood group)
NCBI Official Symbol	Bcam
NCBI Official Synonym Symbols	Lu
NCBI Protein Information	basal cell adhesion molecule
UniProt Protein Name	Basal cell adhesion molecule
UniProt Gene Name	Bcam
UniProt Synonym Gene Names	Lu
UniProt Entry Name	BCAM_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/bcam-antibody-clone-005-immunohistochemistry-elisa/257307>