

Product Name: KD-Validated BCAM Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00363**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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
Molecular Weight	Calculated MW: 67.4kDa

Antigen Information

Gene Name	BCAM BCAM; Basal Cell Adhesion Molecule (Lutheran Blood Group); F8/G253; CD239; B-CAM; LU; Basal Cell Adhesion Molecule (Lu And Au Blood Groups); B-CAM Cell Surface Glycoprotein;
Alternative Names	Basal Cell Adhesion Molecule; Auberger B Antigen; F8/G253 Antigen; MSK19; Lutheran Blood Group (Auberger B Antigen Included); Lutheran Blood Group Variant LUGA; Lutheran Blood Group Glycoprotein; B-Cell Adhesion Molecule; Lutheran Antigen; CD239 Antigen; AU
Gene ID	4059.0
SwissProt ID	P50895
Immunogen	A synthesized peptide derived from human BCAM

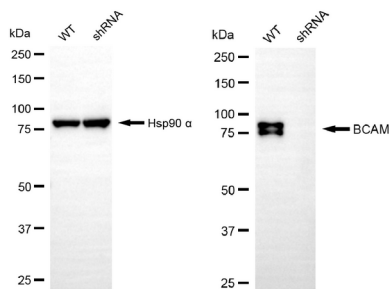
Background

This gene encodes Lutheran blood group glycoprotein, a member of the immunoglobulin superfamily and a receptor for the extracellular matrix protein, laminin. The protein contains five extracellular immunoglobulin domains, a single transmembrane domain, and a short C-terminal cytoplasmic tail. This protein may play a role in epithelial cell cancer and in vaso-occlusion of red blood cells in sickle cell disease. Polymorphisms in this gene define some of the antigens in the Lutheran system and also the Auberger system. Inactivating variants of this gene result in the recessive Lutheran null phenotype, Lu(a-b-), of the Lutheran blood group. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]

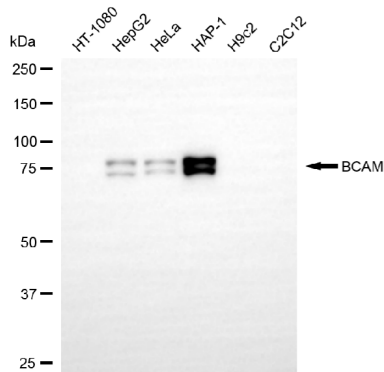
Research Area

Cardiovascular, Immunology

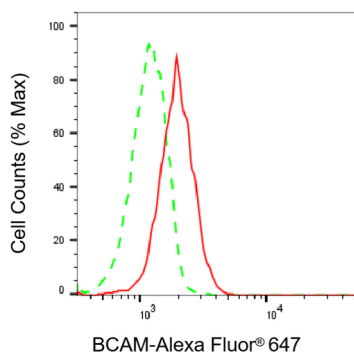
Image Data



Western blotting analysis using BCAM antibody (KVAb00363). BCAM expression in wild-type (WT) and BCAM shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BCAM antibody (KVAb00363, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using BCAM antibody (KVAb00363). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BCAM antibody (KVAb00363, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of BCAM expression in HAP-1 cells using BCAM antibody (KVAb00363, 1:2,000). Green, isotype control; red, BCAM.