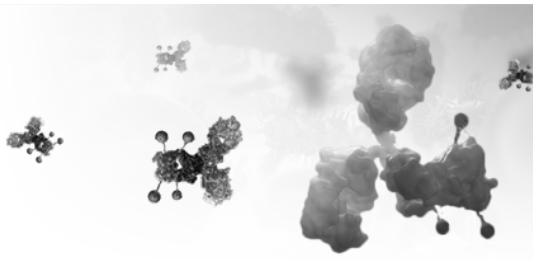

Rabbit Anti-Human BCAM monoclonal antibody, clone S113 (CABT-ZB886)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human BCAM It has no cross-reactivity in ELISA with Human ALCAM, Human CD31, Human EpCAM, Human ICAM1, Human ICAM2, Human ICAM3, Human MCAM, Human VCAM1.
Target	BCAM
Immunogen	Recombinant Human BCAM protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S113
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB516 - CABT-ZB886 This antibody will detect BCAM in antibody pair set. [ABPR-ZB092]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human BCAM.
Format	Purified, Liquid
Concentration	Lot specific

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Size	50 µL, 100 µL, 1 mL
Buffer	PBS
Preservative	None
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.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	BCAM; basal cell adhesion molecule (Lutheran blood group); AU; LU

GENE INFORMATION

Synonyms	BCAM; basal cell adhesion molecule (Lutheran blood group); AU; LU; CD239; MSK19; basal cell adhesion molecule; F8/G253 antigen; Auberger b antigen; glycoprotein 95kDa
Entrez Gene ID	4059
UniProt ID	P50895

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