

For Research Use Only

BCAM Recombinant antibody

Catalog Number: 84038-3-RR



Basic Information

Catalog Number: 84038-3-RR	GenBank Accession Number: BC050450	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 4059	CloneNo.: 241051C8
Source: Rabbit	UNIPROT ID: P50895	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: basal cell adhesion molecule (Lutheran blood group)	
Immunogen Catalog Number: AG28181	Calculated MW: 67 kDa	
	Observed MW: 67 kDa, 78-85 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A431 cells, T-47D cells, human placenta tissue
Species Specificity: human	

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

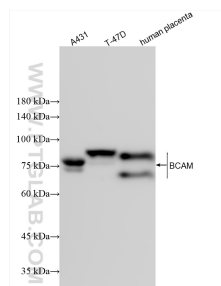
T: 4006900926

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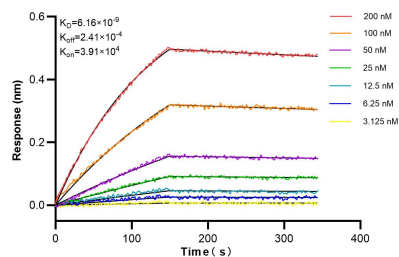
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84038-3-RR (BCAM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84038-3-RR against Human BCAM were performed. The affinity constant is 6.16 nM.