

For Research Use Only

Mouse CD239/BCAM Recombinant monoclonal antibody, PBS Only

Catalog Number:87430-1-PBS



Basic Information

Catalog Number: 87430-1-PBS	GenBank Accession Number: NM_020486.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 57278	CloneNo.: 251702A10
Source: Rabbit	UNIPROT ID: Q9R069	
Isotype: IgG	Full Name: basal cell adhesion molecule	
Immunogen Catalog Number: EG6306	Calculated MW: 68 kDa	
	Observed MW: 67 kDa, 78-85 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse, rat

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

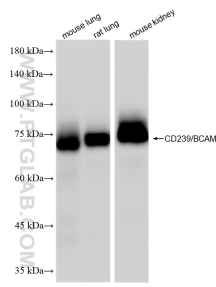
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

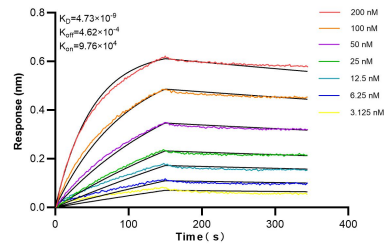
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87430-1-RR (CD239/BCAM antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87430-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87430-1-RR against Mouse CD239/BCAM were performed. The affinity constant is 4.73 nM.