

For Research Use Only

CEACAM1/CD66a Recombinant antibody

Catalog Number: 84409-4-RR



Basic Information

Catalog Number: 84409-4-RR	GenBank Accession Number: GeneID (NCBI): 26365	Purification Method: Protein A purification
Size: 1000 µg/ml	UNIPROT ID: P31809-1	CloneNo.: 241856H5
Source: Rabbit	Full Name: carcinoembryonic antigen-related cell adhesion molecule 1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Calculated MW: 57 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse liver tissue, mouse small intestine tissue
Species Specificity: mouse	

Background Information

CEACAM1, also known as CD66a or BGP (biliary glycoprotein), is a member of the carcinoembryonic antigen (CEA) family which belongs to the immunoglobulin superfamily of cell adhesion molecules (PMID: 16919437). CEACAMs play major roles in cell-cell and cell-ECM adhesion and have been implicated in the control of cell proliferation, angiogenesis, and tissue remodeling (PMID: 23021083). CEACAM1 is a transmembrane glycoprotein that is expressed on epithelial, endothelial, and immune cells (PMID: 30314283). CEACAM1 has been demonstrated to play a role in morphogenesis, apoptosis, angiogenesis, cell proliferation, cell motility, fibrosis, and immunity (PMID: 31604530).

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:

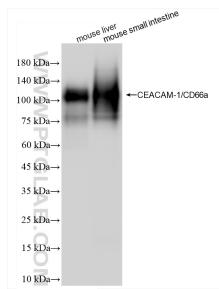
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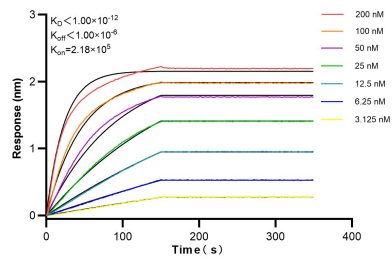
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84409-4-RR (CEACAM-1/CD66a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84409-4-RR against Mouse CEACAM1/CD66a were performed. The affinity constant is below 1 pM.