

For Research Use Only

# Anti-Human CEACAM3/6 (CD66c/d) Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98169-1-PBS



## Basic Information

Catalog Number:	98169-1-PBS	GenBank Accession Number:	BC106728	Purification Method:	Protein A purification
Size:	1mg, 2 mg/ml	GeneID (NCBI):	1084	CloneNo.:	241254D1
Source:	Rabbit	UNIPROT ID:	P40198		
Isotype:	IgG	Full Name:	carcinoembryonic antigen-related cell adhesion molecule 3		
		Calculated MW:	252 aa, 27 kDa		

## Applications

Tested Applications:  
FC  
Species Specificity:  
human

## Background Information

Carcinoembryonic antigen-related cell adhesion molecules (CEACAMs) belong to the immunoglobulin superfamily of cell adhesion molecules. CEACAMs play major roles in cell-cell and cell-ECM adhesion and have been implicated in controlling cell proliferation, angiogenesis, and tissue remodeling (PMID: 23021083). CEACAM3, also named as CD66d and CGM1, is exclusively expressed on granulocytes and acts as the major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms (PMID: 18606569). CEACAM6, also known as CD66c, is normally expressed on the surface of myeloid and epithelial surfaces and upregulated preferentially at the apical/luminal membranes of many tumors (PMID: 27595061; 35082925). This antibody is raised against 35-155 aa of human CEACAM3/CD66d and can cross-react with CEACAM6/CD66c.

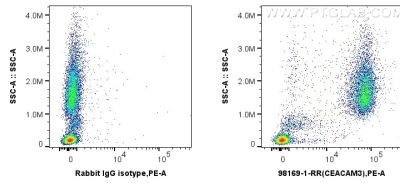
## Storage

Storage:  
Store at -80°C.  
Storage Buffer:  
PBS Only

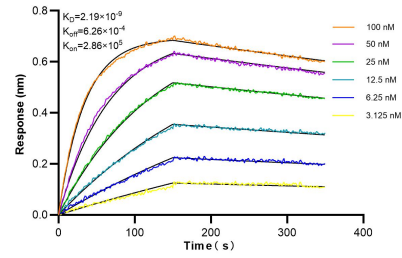
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## Selected Validation Data



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CEACAM3/6 (CD66c/d) Rabbit Recombinant Antibody (98169-1-RR, Clone: 241254D1) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98169-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98169-1-RR against Human CEACAM3/6 (CD66c/d) were performed. The affinity constant is 2.19 nM.