

For Research Use Only

# Mouse Complement factor D Recombinant antibody, PBS Only

Catalog Number: 85643-4-PBS



## Basic Information

Catalog Number:	85643-4-PBS	GenBank Accession Number:	NM_013459.4	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	11537	CloneNo.:	242744B4
Source:	Rabbit	UNIPROT ID:	P03953-1		
Isotype:	IgG	Full Name:	complement factor D (adipsin)		
		Calculated MW:	28 kDa		
		Observed MW:	40-50 kDa		

## Applications

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

mouse

## Background Information

Complement factor D, also known as adipsin, is a highly specific serine protease. Complement factor D is the rate-limiting enzyme in the alternative pathway of complement. It activates C3 convertase by cleaving factor B, which is a key step in the alternative pathway. Complement factor D catalyzes the cleavage of factor B to generate Ba (non-catalytic chain) and Bb (active catalytic subunit), which together with C3(H2O) (or C3b) constitute the active C3 convertase C3(H2O)Bb (or C3bBb). (PMID: 34566967; PMID: 27775713).

## Storage

### Storage:

Store at -80°C.

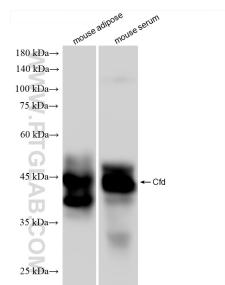
### Storage Buffer:

PBS only

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85643-4-RR (Cfd antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85643-4-PBS in a different storage buffer formulation.