

**Product Name: CEACAM3 Mouse Monoclonal Antibody****Catalog #: AMM82547**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ELISA,FC
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	27kDa

**Antigen Information**

<b>Gene Name</b>	CEACAM3
<b>Alternative Names</b>	CEA; CGM1; W264; W282; CD66D
<b>Gene ID</b>	1084.0
<b>SwissProt ID</b>	P40198
<b>Immunogen</b>	Purified recombinant fragment of human CEACAM3 (AA: 35-155) expressed in E. Coli.

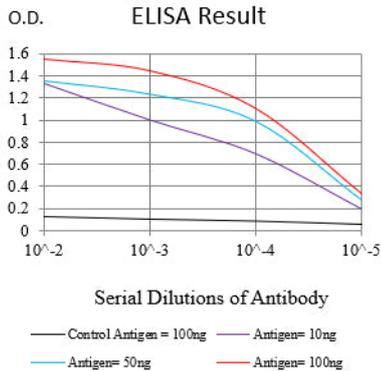
**Background**

This gene encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling

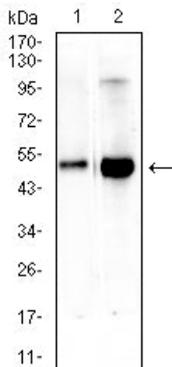
human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described.

## Research Area

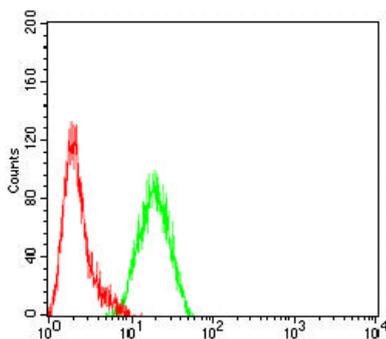
## Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CEACAM3 mouse mAb against rat spleen (1) and rat lung (2) tissue lysate.



Flow cytometric analysis of THP-1 cells using CEACAM3 mouse mAb (green) and negative control (red).