



## Rabbit Anti-CEAM3 antibody

SL6804R

<b>Product Name:</b>	CEAM3
<b>Chinese Name:</b>	癌胚抗原相关Cell adhesion molecule3抗体
<b>Alias:</b>	carcinoembryonic; Carcinoembryonic antigen CGM1; carcinoembryonic antigen related cell adhesion molecule 3; Carcinoembryonic antigen-related cell adhesion molecule 3; cd66 d; CD66d; CEA; CEACAM 3; CEACAM-3; Ceacam3; CEAM 3; CEAM-3; CEAM3; CEAM3 HUMAN; CGM1; W264; W282.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	23kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CD66d/CEAM3:41-150/252<Extracellular>
<b>Lsotype:</b>	man
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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, but their biological validity has not been determined. [provided by RefSeq, Jul 2008].

**Function:**

Major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including Neisseria, Moxarella and Haemophilus species, thus playing an important role in the clearance of pathogens by the innate immune system. Responsible for RAC1 stimulation in the course of pathogen phagocytosis.

**Subunit:**

Interacts with S100A9/calprotectin. This interaction is calcium-dependent, but independent of CEACAM3 phosphorylation.

**Subcellular Location:**

Membrane; Single-pass type I membrane protein.

**Tissue Specificity:**

CGM1a, the predominant CGM1 transcript, is granulocyte-specific. Not detected out of the granulocytic lineage, such as monocytes, lymphocytes, spleen, testis, colon, brain, liver, pancreas, thymus, ovary, placenta, skeletal muscle, prostate, small intestine, heart, lung and kidney.

**Post-translational modifications:**

Tyrosine-phosphorylated in response to microbial binding. Tyr-230 and Tyr-241 are both required for phosphorylation to be detected.

**Similarity:**

Belongs to the immunoglobulin superfamily. CEA family. **Contains 1 Ig-like V-type (immunoglobulin-like) domain.**

**SWISS:**

**P40198**

**Gene ID:**

**1084**

**Database links:**

[Entrez Gene: 1084](#)Human

[Entrez Gene: 384557](#)Mouse

[Omim: 609142](#)Human

[SwissProt: P40198](#)Human

[Unigene: 11](#)Human

**Important Note:**

**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

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