

ARG58379 anti-CEACAM3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CEACAM3
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CEACAM3
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-135 of Human CEACAM3 (NP_001806.2).
Conjugation	Un-conjugated
Alternate Names	CGM1; W282; Carcinoembryonic antigen CGM1; CEA; Carcinoembryonic antigen-related cell adhesion molecule 3; W264; CD66D; CD antigen CD66d

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse lung	
Observed Size	27 kDa	

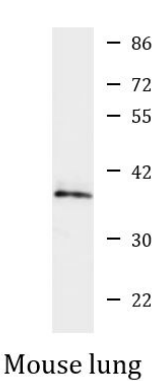
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CEACAM3
Gene Full Name	carcinoembryonic antigen-related cell adhesion molecule 3
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. [provided by RefSeq, Mar 2013]
Function	Major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including Neisseria, Moraxella 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. [UniProt]
Calculated Mw	27 kDa
PTM	Tyrosine-phosphorylated in response to microbial binding. Tyr-230 and Tyr-241 are both required for phosphorylation to be detected. [UniProt]
Cellular Localization	Membrane, Single-pass type I membrane protein. [UniProt]

Images



ARG58379 anti-CEACAM3 antibody WB image

Western blot: 25 µg of Mouse lung lysate stained with ARG58379 anti-CEACAM3 antibody at 1:1000 dilution.