

Datasheet for 600-401-AH3**CEACAM5 Antibody****Overview**

Description:	Anti-CEACAM5 (RABBIT) Antibody - 600-401-AH3
Item No.:	600-401-AH3
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	CEACAM5 is a member of the carcinoembryonic antigen (CEA) family, which belongs to the immunoglobulin superfamily (1,2). CEACAM proteins are involved in cell-cell recognition and modulate cellular processes that range from the shaping of tissue architecture and neovascularization to the regulation of insulin homeostasis and T-cell proliferation (2). CEACAM5 has been shown to be overexpressed in a majority of carcinomas and has been suggested to be a intercellular adhesion molecule involved in cancer invasion and metastasis (3).
Synonyms:	CEACAM5 Antibody , CEA, CD66e, CEA, Carcinoembryonic antigen-related cell adhesion molecule 5, Carcinoembryonic antigen
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CEACAM5
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CEACAM5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the internal region of human CEACAM5

Purity/Specificity:	Anti-CEACAM5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CEACAM5 antibody is human, mouse and rat reactive. CEACAM5 antibody is predicted to not cross-react with other CEACAM protein family members.
Relevant Links:	• UniProtKB - P06731 • GeneID - 1048 • NCBI - NP_004354

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-CEACAM5 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 77 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
WB:	User Optimized

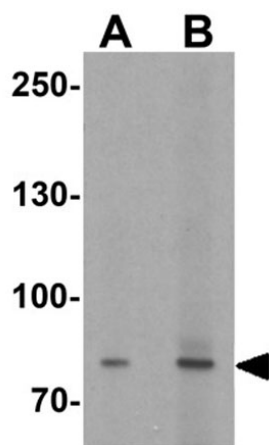
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

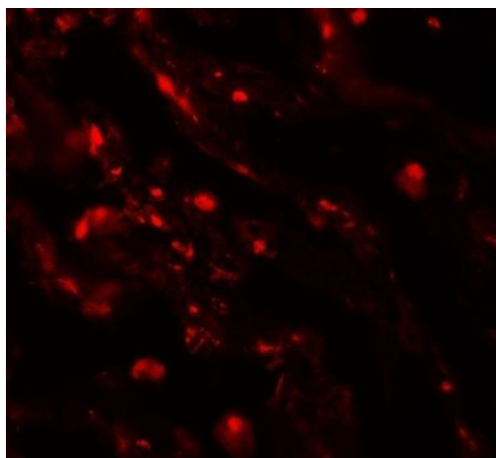


Western Blot

Western blot of CEACAM5.

Load: rat lung tissue lysate.

Primary Antibody: CEACAM5 antibody at (A) 1 and (B) 2 $\mu\text{g/ml}$.



Immunofluorescence Microscopy

Immunofluorescence of CEACAM5.

Tissue: human lung tissue.

Primary Antibody: CEACAM5 antibody at 20 $\mu\text{g/mL}$.

Disclaimer

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