

# CEACAM1/CEACAM5 Monoclonal Antibody (4/3/17)

Catalog Number MA1-17767

Product data sheet

Details		Species Reactivity											
Size	100 µg	Species reactivity	Human										
Host/Isotope	Mouse / IgG1	<table><tr><th>Tested Applications</th><th>Dilution *</th></tr><tr><td>ELISA (ELISA)</td><td>1:200-1:400</td></tr><tr><td>Flow Cytometry (Flow)</td><td>1.2 µg/1x10^6 cells</td></tr><tr><td>Immunohistochemistry (Frozen) (IHC (F))</td><td>1-2 µg/1x10^6 cells</td></tr><tr><td>Western Blot (WB)</td><td>4 µg/mL</td></tr></table> <p>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</p>		Tested Applications	Dilution *	ELISA (ELISA)	1:200-1:400	Flow Cytometry (Flow)	1.2 µg/1x10^6 cells	Immunohistochemistry (Frozen) (IHC (F))	1-2 µg/1x10^6 cells	Western Blot (WB)	4 µg/mL
Tested Applications	Dilution *												
ELISA (ELISA)	1:200-1:400												
Flow Cytometry (Flow)	1.2 µg/1x10^6 cells												
Immunohistochemistry (Frozen) (IHC (F))	1-2 µg/1x10^6 cells												
Western Blot (WB)	4 µg/mL												
Class	Monoclonal												
Type	Antibody												
Clone	4/3/17												
Immunogen	Extracted protein of CEACAM5												
Conjugate	Unconjugated												
Form	Liquid												
Concentration	2 mg/mL												
Purification	Protein G												
Storage buffer	PBS, pH 7.2												
Contains	no preservative												
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.												

## Product specific information

This antibody recognizes native human CEACAM1, 5 protein expressed in transfected mammalian cells.

## Background/Target Information

Over-expression of CEA/CEACAM5 in tumors of epithelial origin is the basis of its wide-spread use as a tumor marker CEACAM1 expression is down-regulated in many tumors indicating a tumor-suppressive function. The anti-tumor effect may be due to inhibition of tumor angiogenesis, possibly by increased secretion of anti-angiogenic molecules from the cells. The function of CEA family members varies widely: they function as cell adhesion molecules, tumor suppressors, regulators of lymphocyte and dendritic cell activation, receptors of Neisseria species and other bacteria.

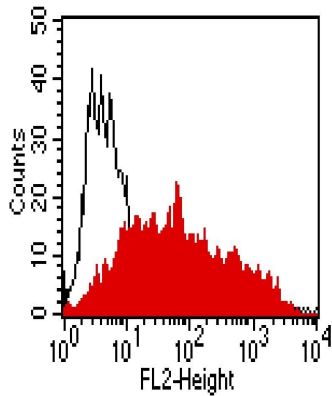
*For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.*

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

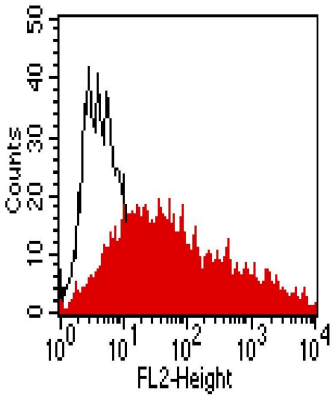
NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.





**CEACAM1/CEACAM5 Antibody (MA1-17767) in Flow**

Flow cytometry analysis of CEACAM5 in BOSC23 cells using a CEACAM1/CEACAM5 Monoclonal Antibody (Product # MA1-17767) at a 1.2 µg/10<sup>6</sup> cells dilution, detected with a PE-conjugated secondary antibody, as shown in red. Isotype control antibody is shown in black.



**CEACAM1/CEACAM5 Antibody (MA1-17767) in Flow**

Flow cytometry analysis of CEACAM1 in BOSC23 cells using a CEACAM1/CEACAM5 Monoclonal Antibody (Product # MA1-17767) at a 1.2 µg/10<sup>6</sup> cells dilution, detected with a PE-conjugated secondary antibody, as shown in red. Isotype control antibody is shown in black.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.