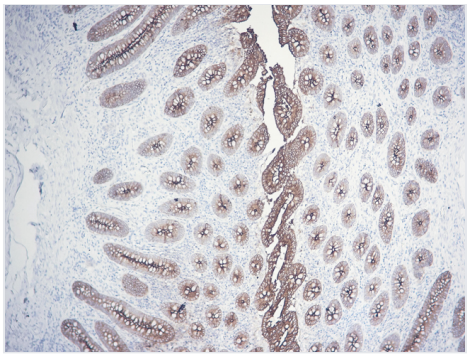
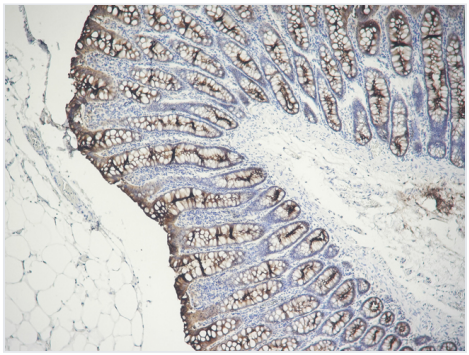
CEA Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

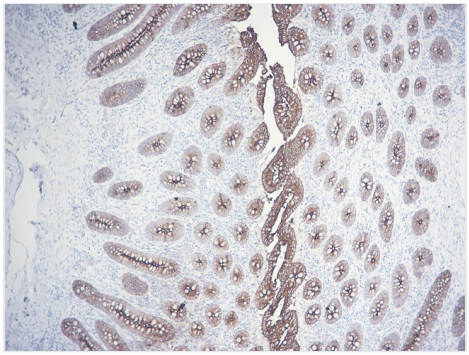
Product Name	CEA, Monoclonal Antibody
Full Product Name	CEA (ABT004) Antibody
Product Gene Name	anti-CEA antibody
Product Synonym Names	Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen)(CEA)(Meconium antigen 100)(CD antigen CD66e); Carcinoembryonic antigen antibody; Carcinoembryonic antigen-related cell adhesion molecule 5 antibody; CD66e antibody; CEA antibody; Ceacam5 antibody; CEAM5_HUMAN antibody; DKFZp781M2392 antibody; Meconium antigen 100 antibody; OTTHUMP00000199032 antibody; OTTHUMP00000199033 antibody; OTTHUMP00000199034 antibody
Clonality	Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Number	ABT004
Host	Mouse
Species Reactivity	Human
Form/Format	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purity/Purification	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
Specificity	This antibody detects endogenous levels of CEA protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	76,795 Da
OMIM	114890
3D Structure	ModBase 3D Structure for P06731
Product Categories/Family for anti-CEA antibody	Primary Antibodies
Applications Tested/Suitable for anti-CEA antibody	Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-CEA antibody	IHC: 1:200-400 IF: 1:50-200 ELISA: 1:500-5000
Related Product Information for anti-CEA antibody	MBS9527245 is an antibody targeting CEA. Also known as CEA (ABT004) Antibody. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-CEA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



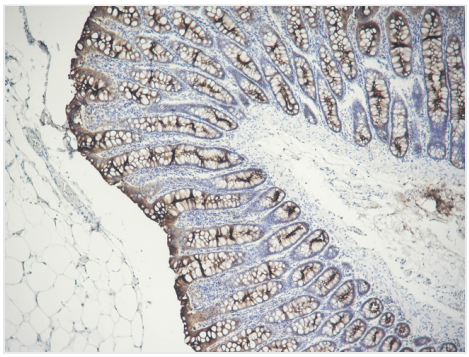
Immunohistochemistry (IHC) of anti-CEA antibody
Human appendix tissue was stained with Anti-CEA (ABT004) Antibody



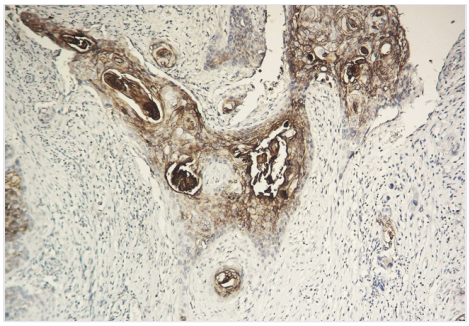
Immmunohistochemistry (IHC) of anti-CEA antibody
Human colon tissue was stained with Anti-CEA (ABT004) Antibody



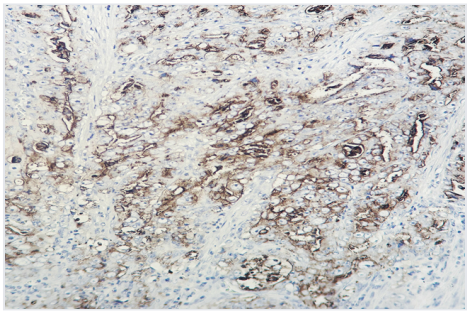
Immunohistochemistry (IHC) of anti-CEA antibody
Human appendix tissue was stained with Anti-CEA (ABT004) Antibody



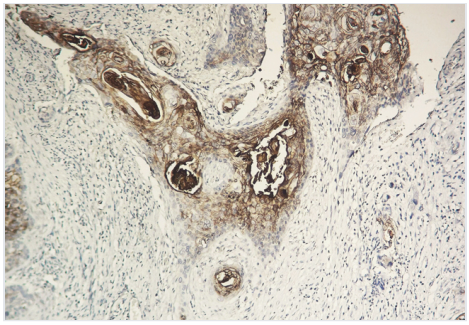
Immunohistochemistry (IHC) of anti-CEA antibody
Human colon tissue was stained with Anti-CEA (ABT004) Antibody



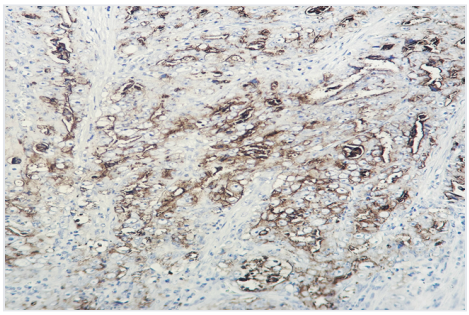
Immunohistochemistry (IHC) of anti-CEA antibody
Human cervical carcinoma tissue was stained with Anti-CEA (ABT004) Antibody



Immunohistochemistry (IHC) of anti-CEA antibody
Human colon carcinoma tissue was stained with Anti-CEA (ABT004) Antibody



Immunohistochemistry (IHC) of anti-CEA antibody
Human cervical carcinoma tissue was stained with Anti-CEA (ABT004) Antibody



Immunohistochemistry (IHC) of anti-CEA antibody
Human colon carcinoma tissue was stained with Anti-CEA (ABT004) Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEA. It may not necessarily be applicable to this product.

NCBI GI #	317373456
NCBI GeneID	1048
NCBI Accession #	P06731.3
UniProt Primary Accession #	P06731
UniProt Secondary Accession #	H9KVA7
UniProt Related Accession #	P06731
NCBI Official Full Name	Carcinoembryonic antigen-related cell adhesion molecule 5
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 5
NCBI Official Symbol	CEACAM5
NCBI Official Synonym Symbols	CEA; CD66e
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Synonym Protein Names	Carcinoembryonic antigen; CEA; Meconium antigen 100
Protein Family	Colicin
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA
UniProt Entry Name	CEAM5_HUMAN
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 5; meconium antigen 100
NCBI Summary for CEA	Members of the CEACAM subfamily, including CEACAM5, belong to the CEA gene family. For general information on the CEA gene family, see CEACAM1 (MIM 109770).[supplied by OMIM, Oct 2009]
UniProt Comments for CEA	CEACAM5: Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins. Homodimer. Binding of E.coli Dr adhesins leads to dissociation of the homodimer. Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon. Belongs to the immunoglobulin superfamily. CEA family. Protein type: Membrane protein, integral; Immunoglobulin superfamily; Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 19q13.1-q13.2 Cellular Component: basolateral plasma membrane; integral to plasma membrane Molecular Function: identical protein binding; protein homodimerization activity Biological Process: homotypic cell-cell adhesion; negative regulation of apoptosis
Research Articles on CEA	**1.** Results show that scFvs against HER-2/neu and carcinoembryonic antigen (CEA) were isolated.
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