

CEACAM1/5 recombinant antibody

Rabbit anti-CEACAM1/5 Recombinant Monoclonal Antibody [BLR032F]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213541	Rabbit	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

CEACAM1/5; Monoclonal Recombinant Antibody; Rabbit anti-CEACAM1/5 Recombinant Monoclonal Antibody [BLR032F]; BGP1; CD66a antigen; CD antigen CD66a; carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein); carcinoembryonic antigen-related cell adhesion molecule 1; Biliary glycoprotein 1; BGP-1; BGP; antigen CD66; BGPI; Carcinoembryonic antigen; carcinoembryonic antigen-related cell adhesion molecule 5; CD antigen CD66e; CD66e; CEA; meconium antigen 100; Carcinoembryonic antigen-related cell adhesion molecule 1; carcinoembryonic antigen related cell adhesion molecule 1; CEACAM1/5 recombinant antibody

PRODUCT SPECIFICATIONS

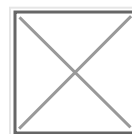
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR032F
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	50ug/ml (varies by lot)
Applicable Applications for CEACAM1/5 recombinant antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Residues 35-433 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CEACAM1/5 by western blot. Samples: Whole cell lysate (5 ug) from HEK293T, UACC-257, GaMG, Hep-G2, U2OS, A-549, SK-MEL-28, MCF-7, and HT-29 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CEACAM1/5 recombinant monoclonal antibody (AAA213541 lot 2) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 seconds.



IP (Immunoprecipitation)

Detection of human CEACAM1/5 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 2% of IP loaded) from UACC-257 cells. Antibodies: Rabbit anti-CEACAM1/5 recombinant monoclonal antibody (AAA213541 lot 2) used for IP at 20 ul/mg lysate. CEACAM1/5 was also immunoprecipitated by a previous lot of this antibody (AAA213541-1). For blotting immunoprecipitated CEACAM1/5, AAA213541 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 10 seconds.



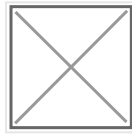
IHC (Immunohistochemisry)

Detection of human CEACAM 1/5 in FFPE colon carcinoma by immunohistochemistry. Antibody: Rabbit anti-CEACAM 1/5 recombinant monoclonal antibody (AAA213541 lot 2). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



ICC (Immunocytochemistry)

Detection of human CEACAM 1/5 in FFPE HT-29 by immunocytochemistry. Antibody: Rabbit anti-CEACAM 1/5 recombinant monoclonal antibody (AAA213541 lot 2). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



FCM/FACS (Flow Cytometry)

Detection of human CEACAM1/5 (shaded) in HT-29 cells by flow cytometry. Antibody: Rabbit anti-CEACAM1/5 recombinant monoclonal antibody (AAA213541 lot 2) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CEACAM1/5 recombinant antibody	Carcinoembryonic antigen related cell adhesion molecules 1 and 5 (CEACAM1 and CEACAM5) are members of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. CEACAM1 was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. CEACAM5 is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, CEACAM5 may regulate differentiation, apoptosis, and cell polarity.
Product Categories/Family for CEACAM1/5 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	68161541
NCBI GeneID	634
NCBI Accession #	NP_001020083.1
NCBI GenBank Nucleotide #	NM_001024912.2
UniProt Accession #	P13688 ; P06731
Molecular Weight	39,871 Da
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 1 isoform 2
NCBI Official Synonym Full Names	carcinoembryonic antigen related cell adhesion molecule 1
NCBI Official Symbol	CEACAM1
NCBI Official Synonym Symbols	BGP; BGP1; BGPI
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 1
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 1
UniProt Gene Name	CEACAM1
UniProt Synonym Gene Names	BGP; BGP1; BGP-1
UniProt Entry Name	CEAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

