

CEACAM1 recombinant antibody

Rabbit anti-CEACAM1 Recombinant Monoclonal Antibody [BLR090G]

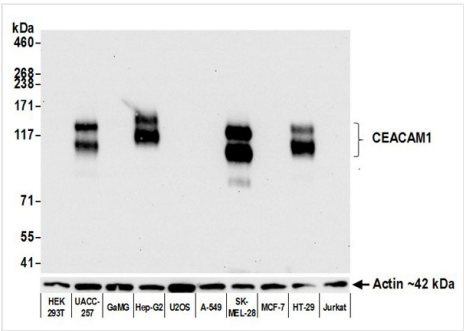
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23829	Rabbit	Human	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CEACAM1; Monoclonal Recombinant Antibody; Rabbit anti-CEACAM1 Recombinant Monoclonal Antibody [BLR090G]; 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-related cell adhesion molecule 1; carcinoembryonic antigen related cell adhesion molecule 1; CEACAM1 recombinant antibody

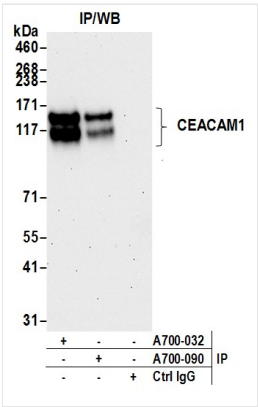
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR090G
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA-Free
Concentration	1000ug/ml (varies by lot)
Applicable Applications for CEACAM1 recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IP: 6 ul/mg lysate IHC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. ICC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. FC/FACS: Live or cells fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 ul per 1 x 10 ⁶ cells.
Immunogen	Residues 35-433 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



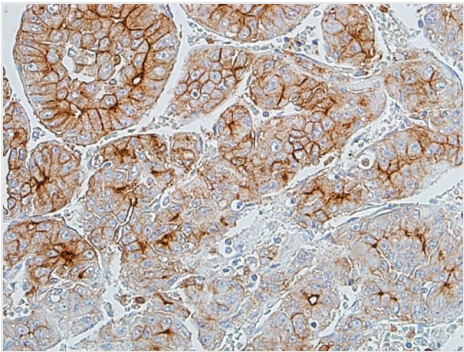
WB (Western Blot)

Detection of human CEACAM1 by western blot. Samples: Whole cell lysate (5 ug) from HEK293T, UACC-257, GaMG, Hep-G2, U2OS, A-549, SK-MEL-28, MCF-7, HT-29, and Jurkat cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CEACAM1 recombinant monoclonal antibody (AAA23829 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



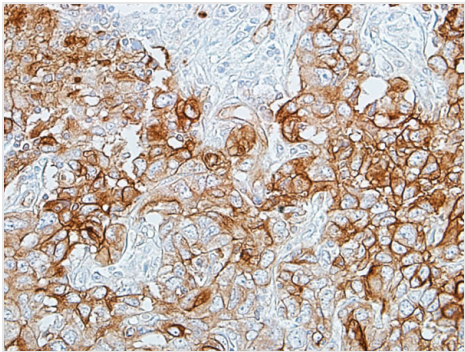
IP (Immunoprecipitation)

Detection of human CEACAM1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from UACC-257 cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CEACAM1 recombinant monoclonal antibody (AAA23829 lot 1) used for IP at 6 ul per reaction. CEACAM1 was also immunoprecipitated by rabbit anti-CEACAM1/5 recombinant monoclonal antibody . For blotting immunoprecipitated CEACAM1, AAA23829 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 30 seconds.



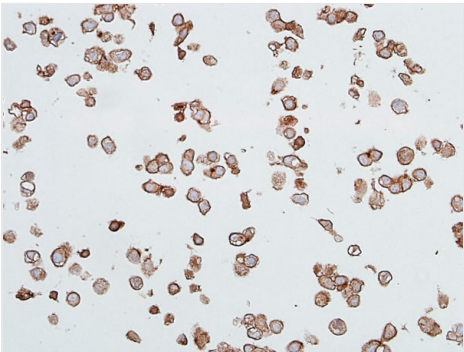
IHC (Immunohistochemistry)

Detection of human CEACAM1 in FFPE liver carcinoma by IHC. Antibody: Rabbit anti-CEACAM1 recombinant monoclonal antibody (AAA23829 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



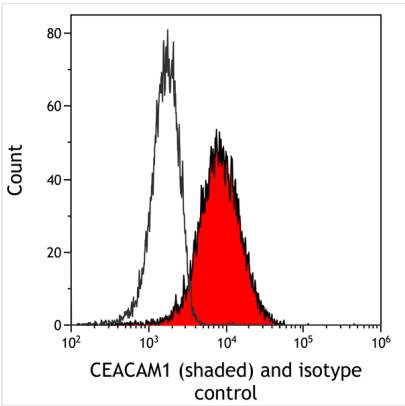
IHC (Immunohistochemistry)

Detection of human CEACAM1 in FFPE breast carcinoma by IHC. Antibody: Rabbit anti-CEACAM1 recombinant monoclonal antibody (AAA23829 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



ICC (Immunocytochemistry)

Detection of human CEACAM1 in FFPE Hep-G2 cells by ICC. Antibody: Rabbit anti-CEACAM1 recombinant monoclonal antibody (AAA23829 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



FCM (Flow Cytometry)

Detection of human CEACAM1 (shaded) in HT-29 cells by flow cytometry. Antibody: Rabbit anti-CEACAM1 recombinant monoclonal antibody (AAA23829) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CEACAM1 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 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; O60430; Q069I7; Q13854; Q13857; Q13858; Q13859; Q13860; Q15600; Q15601; A6NE38; A8MY49
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/ceacam1-recombinant-antibody-clone-blr090g-western-blot-immunoprecipitation-immunohistochemistry-immunocytochemistry-flow-cytometry-elisa/23829>