

Datasheet for ABIN5541783
anti-CEACAM6 antibody



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11 Publications

Overview

Quantity:	0.1 mg
Target:	CEACAM6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CEACAM6 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Tumor cell lines expressing CEACAM6 (1,2)
Clone:	9A6
Isotype:	IgG1
Specificity:	9A6 recognizes exclusively CEACAM6 transiently expressed on the cell surface of transfected BOSC cells (Fig. 1). 9A6 can be used to distinguish CEACAM6 from all other CEACAM and probably all pregnancy-specific glycoproteins molecules, namely CEACAM1 (BGP/CD66a), CEACAM3 (CGM1/CD66d), CEACAM4 (CGM7), CEACAM6 (NCA/CD66c), CEACAM7 (CGM2), CEACAM8 (CGM6/CD66b) and PSG1 (CD66f) based on its reactivity pattern with stable HeLa transfectants expressing individual CEA family members (3 and Fig.1). 9A6 was included and characterized in the framework of the VIth Leucocyte Typing Workshop. Species: Human.
Purification:	Affinity Chromatography on Protein G

Target Details

Target:	CEACAM6
Alternative Name:	cd66c,ceacam6 (CEACAM6 Products)
Background:	CEA-related cell adhesion molecule 6 (CEACAM6, NCA) belongs to the carcinoembryonic antigen (CEA) gene family (13). It encodes a glycosyl phosphatidyl inositol (GPI)-linked glycoprotein with a Mr of 90,000 which is strongly expressed on epithelial cells of the fetal and adult gastrointestinal tract, epithelia of glandular tissues, squamous epithelial cell of the tongue, esophagus and cervix as well as on granulocytes (Fig. 2 Ref. 4, 10). CEACAM6 expression is upregulated in many adenocarcinomas (4) and leukemias (5). Like all members of the CEA family, it consists of a single N domain, with structural homology to the immunoglobulin variable domains, followed by one immunoglobulin constant-like A and B domain.
UniProt:	P40199

Application Details

Application Notes:	ELISA: 1/200-1/400. Cell based ELISA with intakt, transiently transfected cells: 1/200-1/400. Western blot: 4 µg/mL. Flow Cytometry: 1.2 µg/10 ⁶ cells. Immunohistology on Cryo-Sections: 1-2 µg/10 For various applications see list of References.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.2 without preservatives
Preservative:	Without preservative
Storage:	4 °C, -20 °C
Storage Comment:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months

Publications

Product cited in:	Kanderová, Hrusák, Kalina: "Aberrantly expressed CEACAM6 is involved in the signaling leading to apoptosis of acute lymphoblastic leukemia cells." in: Experimental hematology , Vol. 38, Issue 8, pp. 653-660.e1, (2010) (PubMed).
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Singer, Scheffrahn, Kammerer, Suttorp, Ergun, Slevogt: "Deregulation of the CEACAM expression pattern causes undifferentiated cell growth in human lung adenocarcinoma cells." in: **PLoS ONE**, Vol. 5, Issue 1, pp. e8747, (2010) ([PubMed](#)).

Carvalho, Barnich, Sivignon, Darcha, Chan, Stanners, Darfeuille-Michaud: "Crohn's disease adherent-invasive Escherichia coli colonize and induce strong gut inflammation in transgenic mice expressing human CEACAM." in: **The Journal of experimental medicine**, Vol. 206, Issue 10, pp. 2179-89, (2009) ([PubMed](#)).

Sémiramo, Gleizes, Turbica, Sandré, Gorges, Kansau, Servin, Chollet-Martin: "Escherichia coli type 1 pili trigger late IL-8 production by neutrophil-like differentiated PLB-985 cells through a Src family kinase- and MAPK-dependent mechanism." in: **Journal of leukocyte biology**, Vol. 85, Issue 2, pp. 310-21, (2009) ([PubMed](#)).

Yue, Goldstein, Hollingsworth, Kaul, Brand, Haab: "The prevalence and nature of glycan alterations on specific proteins in pancreatic cancer patients revealed using antibody-lectin sandwich arrays." in: **Molecular & cellular proteomics : MCP**, Vol. 8, Issue 7, pp. 1697-707, (2009) ([PubMed](#)).

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