

Datasheet for ABIN5541175
anti-CEACAM5/6 antibody[Go to Product page](#)

2 Publications

Overview

Quantity:	0.1 mg
Target:	CEACAM5/6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CEACAM5/6 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Western Blotting (WB), Enzyme Immunoassay (EIA), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	MUS was generated by immunisation of BALB/c mice with CEA partially purified from a perchloric acid extract from liver metastases of colonic tumors (3).
Clone:	MUS
Isotype:	IgG1
Specificity:	This antibody reacts to CD66c/e. Species: Human.
Purification:	Affinity Chromatography on Protein G

Target Details

Target:	CEACAM5/6
Alternative Name:	cd66c/e (CEACAM5/6 Products)

Target Details

Background:	CEA-related cell adhesion molecules (CEACAM) belong to the carcinoembryonic antigen (CEA) family (1). The CEA family proteins belong to the immunoglobulin (Ig) superfamily and are composed of one Ig variable-like (IgV) and a varying number (0-6) of Ig constant-like (IgC) domains. CEACAM molecules are membrane-bound either via a transmembrane domain or a glycosyl phosphatidyl inositol (GPI) anchor. CEACAM molecules are differentially expressed in epithelial cells or in leucocytes. Over-expression of CEA/CEACAM5 in tumors of epithelial origin is the basis of its wide-spread use as a tumor marker (2). CEACAM6 expression is strongly upregulated already during early stages of adenocarcinoma formation (3). 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 (1).
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Application Details

Application Notes:	Flow Cytometry: 1.2 µg/10 ⁶ cells. ELISA: 1/200-1/400. Cell based ELISA with intact, transiently transfected cells: 1/200. Western blot: 4 µg/mL. Immunohistochemistry: 1-2 µg/10 cells (on Cryosections).
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Phosphate buffered saline, pH 7.2
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:	Qiu, Ding, Zou, Tan, Liu, Fu, Xu: "Divergent roles of amino acid residues inside and outside the BB loop affect human Toll-like receptor (TLR)2/2, TLR2/1 and TLR2/6 responsiveness." in: PLoS ONE , Vol. 8, Issue 4, pp. e61508, (2013) (PubMed).
	Wang, Dashwood, Nian, Löhr, Fischer, Tsuchiya, Nakagama, Ashktorab, Dashwood: "NADPH oxidase overexpression in human colon cancers and rat colon tumors induced by 2-amino-1-

methyl-6-phenylimidazo[4,5-b]pyridine (PhIP)." in: **International journal of cancer**, Vol. 128, Issue 11, pp. 2581-90, (2011) ([PubMed](#)).