

Product datasheet for **DM1205**

CD66a/b/c/e Mouse Monoclonal Antibody [Clone ID: TET2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	TET2
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	Flow Cytometry: 1.0 µg/10 ⁶ cells. ELISA: 1/200-1/400. Cell based ELISA with intact, transiently transfected cells: 1/200. Western Blot: 4 µg/ml. Immunohistology: 1-2 µg/10 ⁶ cells (on Cryosections).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	TET2 was generated by immunisation of BALB/c mice with CEA partially purified from a perchloric acid extract from liver metastases of colonic tumors (3).
Specificity:	This antibody recognizes CD66a/b/c/e.
Formulation:	Phosphate buffered saline, pH 7.2 State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

CEA-related cell adhesion molecules (CEACAM) belong to the carcinoembryonic antigen (CEA) family (1). The CEA family proteins belong to the immuno-globulin (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). The function of CEACAM 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.

Synonyms:

CEACAM1, CEACAM5, CEACAM6, CEACAM8, BGP, CD66a, CD66b, CD66c, CD66d

Note:

Selection: Based on recognition of the complete native protein expressed on transfected mammalian cells.

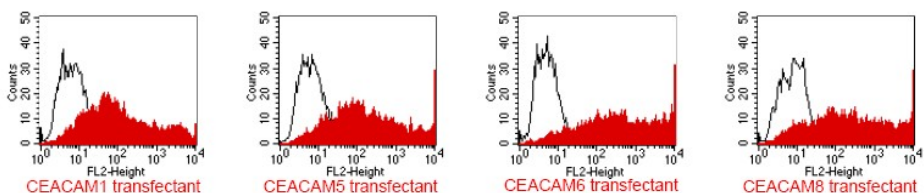
Product images:


Figure 1. FACS analysis of BOSC23 cells using TET2 /DM1205. BOSC23 cells were transiently transfected with an expression vector encoding either CEACAM1, 5, 6, 8 (Red curves) or an irrelevant protein (Control transfectant). Binding of TET2 was detected with a PE

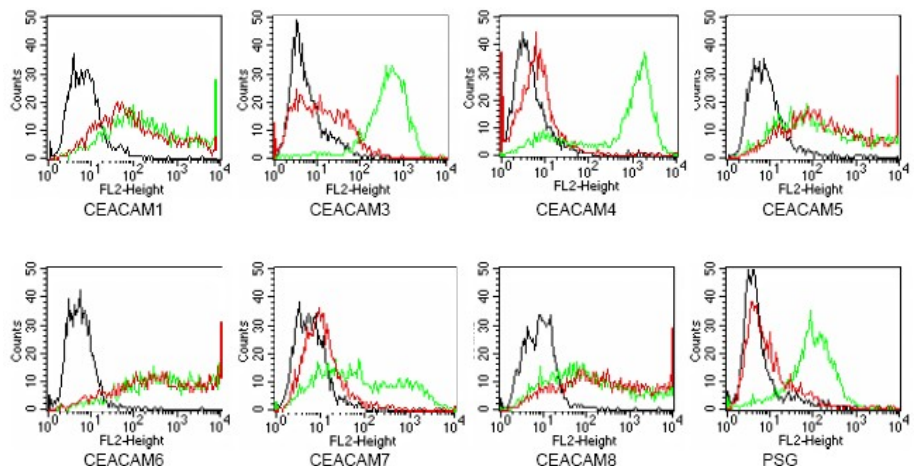


Figure 2. BOSC cells were transiently transfected with expression vectors containing either the cDNA of CEACAM1, 3, 5, 6, 7, 8 or a recombinant transmembrane-anchored PSG1 fusion protein. Recognition of CEACAM4 was tested on CHO cells stably transfected with