

## Product datasheet for **AM31404PU-N**

### CEACAM5 Mouse Monoclonal Antibody [Clone ID: B465M]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	B465M
Applications:	ELISA, IHC
Recommended Dilution:	<b>ELISA.</b> <b>Immunohistochemistry.</b> <u>Staining in Immunohistochemistry:</u> Brightness 80 Cytoplasmic staining 3+ Membrane staining 2+ Background 1+ Staining of mucus 2+
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human natural tumor-derived purified CEA antigen
Specificity:	CEA, epitope specificity group V. Does not crossreact with Human leukocytes in Cytofluorometry.
Formulation:	10mM Tris, pH 7.5 containing 0.15M Sodium Chloride and 0.05% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction (> 90% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	carcinoembryonic antigen related cell adhesion molecule 5



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**Database Link:** [Entrez Gene 1048 Human P06731](#)

**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 up-regulated 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.

**Synonyms:** CEA, Carcinoembryonic antigen