

Product datasheet for **AM31405PU-N**

CEACAM5 Mouse Monoclonal Antibody [Clone ID: B464M]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B464M
Applications:	ELISA, IHC
Recommended Dilution:	ELISA. This Clone B464M can used as Capture antibody and B459M as Detection antibody.
	Immunohistochemistry. Staining in Immunohistochemistry: Brightness 80 Cytoplasmic staining 3+ Membrane staining 2+ Background 2+ 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 I. Does not crossreact with Human leukocytes in Cytofluorometry.
Formulation:	10mM Tris, pH 7.5 containing 0.15M Sodium Chloride State: Purified State: Liquid purified IgG fraction (> 90% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.



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Gene Name:	carcinoembryonic antigen related cell adhesion molecule 5
Database Link:	Entrez Gene 1048 Human P06731
Background:	<p>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.</p>
Synonyms:	CEA, Carcinoembryonic antigen