

Product datasheet for **BM5539P**

CEACAM5 Mouse Monoclonal Antibody [Clone ID: PARLAM4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PARLAM4
Applications:	FC, IF, IHC, WB
Recommended Dilution:	Immunoblotting. Flow Cytometry. Immunocytochemistry on Methanol fixed cells. Immunohistochemistry on Frozen Sections (PBS buffer containing 0.1 mM CaCl ₂ and 0.1 mM MgCl ₂). Immunohistochemistry on Paraffin Sections (Microwave retrieval method with citrate buffer pH 6.0 in an autoclave is required). <i>Recommended Working Dilutions:</i> 1/25–1/100 for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1/100–1/500 for immunoblotting application. <i>Recommended Positive Control:</i> Human Colon carcinoma.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Isolated from Human colon carcinoma cells.
Specificity:	Most polyclonal CEA antisera show cross-reactivity with related antigens such as biliary glycoprotein (BGP) and non-specific cross-reacting antigen 1/11 (NCA). PARLAM4 does not show cross reactivity, neither with BGP nor with NCA. In immunoblotting the antibody recognizes a single band of 180 kDa. This monoclonal antibody is reactive with human carcinoembryonic antigen (CEA), a tumour associated antigen with oncofetal characteristics. Although CEA can be found in tissues of non-neoplastic diseases and normal epithelia, it occurs also in a large variety of carcinomas. Therefore, immunohistochemical detection of CEA is frequently used for the histopathological diagnosis of Human tumours.



[View online »](#)

Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
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.
Gene Name:	carcinoembryonic antigen related cell adhesion molecule 5
Database Link:	Entrez Gene 1048 Human P06731
Background:	Carcino Embryonic Antigen (CEA) is synthesised during development in the fetal gut, and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. Antibodies to CEA are useful in identifying the origin of various metastatic adenocarcinomas and in distinguishing pulmonary adenocarcinomas (60 to 70% are CEA+) from pleural mesotheliomas (rarely or weakly CEA+).
Synonyms:	CEA, Carcinoembryonic antigen