

Product datasheet for **TA386255**

CEA Rabbit Monoclonal Antibody [Clone ID: A5B7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	A5B7
Applications:	IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising mice with both carcinoembryonic antigen (CEA) purified from the metastases of colonic tumours, and heat-treated CEA.
Specificity:	This antibody is specific for human CEA.

In IHC analysis, this CEA-specific antibody stains sections of colon tumour, with high levels of cell surface and cytoplasmic staining of malignant glands, and a more intense reaction in necrotic debris (Harwood et al, 1986). It does not cross-react with PMNs, erythrocytes or liver tissue. In an mouse model transplanted with the human colonic tumour MaWi, the weight of the xenograft has a profound effect on the uptake of a radiolabelled version of antibody (Pedley et al, 1987). In a xenograft tumour mouse model based on the adenocarcinoma cell line LS174T, both this antibody and its FAb have a significant effect on tumour growth when administered as radioimmunotherapeutic agents (Pedley et al, 1993). This antibody has also been shown to function as a radioimmunotherapy agent in a Phase I trial in gastrointestinal adenocarcinomas (Meyer et al, 2009), and has been shown in early clinical trials to target an enzyme capable of cleaving an inactive prodrug to release an active, cytotoxic drug to colorectal cancers (Bagshawe et al, 1991).

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.



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Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.