

Monoclonal Antibody to CD66e / CEACAM5 - FITC

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| Alternate names: | CEA, Carcinoembryonic antigen, Carcinoembryonic antigen-related cell adhesion molecule 5, Meconium antigen 100 |
| Catalog No.: | SM1710FT |
| Quantity: | 25 µg |
| Concentration: | 0.1 mg/ml |
| 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+). |
| Uniprot ID: | P06731 |
| NCBI: | NP_004354.2 |
| GeneID: | 1048 |
| Host / Isotype: | Mouse / IgG1 |
| Clone: | C365D3(NCRC23) |
| Immunogen: | Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3NS1 myeloma cell line. |
| Format: | State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide and 1% BSA Label: FITC – Fluorescein Isothiocyanate Isomer 1 |
| Applications: | Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody recognises carcinoembryonic antigen. The antibody does not cross-react with normal crossreacting antigen (NCA), or with biliary glycoprotein (BGP). Species: Human. Other species not tested. |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch. |
| General References: | 1. Price, M.R. (1988) Epitope of carcinoembryonic antigen (CEA) defined by monoclonal antibodies. Br. J. Cancer 57: 165-169. 2. Soucek, K. et al. (2010) Fetal colon cell line FHC exhibits tumorigenic phenotype, |

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complex karyotype, and TP53 gene mutation. Cancer Genet Cytogenet. 197: 107-16.

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