

## Datasheet: MCA1744FT

<b>Description:</b>	MOUSE ANTI HUMAN CD66e:FITC
<b>Specificity:</b>	CD66e
<b>Other names:</b>	CEA
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	C365D3(NCRC23)
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	25 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml		

### External Database Links

#### UniProt:

[P06731](#) [Related reagents](#)

#### Entrez Gene:

[1048](#) CEACAM5 [Related reagents](#)

<b>Synonyms</b>	CEA
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3NS1 myeloma cell line.
<b>Specificity</b>	<b>Mouse anti Human CD66e antibody, clone C365D3 (NCRC23)</b> recognizes human Carcinoembryonic antigen-related cell adhesion molecule 5, also known as CD66e, carcinoembryonic antigen, Meconium antigen 100, CEA or CEACAM5. CD66e is a 702 amino acid ~77 kDa GPI anchored membrane protein containing 7 <a href="#">Ig-like domains</a> . Mouse anti Human CD66e antibody, clone C365D3 does not cross-react with normal cross-reacting antigen (CD66c), or with biliary glycoprotein (CD66a) as indicated by binding assays ( <a href="#">Price 1988</a> , note: in this study Mouse anti Human CD66e antibody, clone C365D3 is designated as clone 6 (from author)).
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>Seth, J. <i>et al.</i> (1988) Carcinoembryonic antigen. <a href="#">Lancet. 1 (8599): 1399.</a></li> <li>Soucek, K. <i>et al.</i> (2010) Fetal colon cell line FHC exhibits tumorigenic phenotype, complex karyotype, and TP53 gene mutation. <a href="#">Cancer Genet Cytogenet. 197: 107-16.</a></li> <li>Kalinina, T. <i>et al.</i> (2010) Establishment and characterization of a new human pancreatic adenocarcinoma cell line with high metastatic potential to the lung. <a href="#">BMC Cancer.10: 295.</a></li> <li>Dallas, M.R. <i>et al.</i> (2012) Divergent roles of CD44 and carcinoembryonic antigen in colon cancer metastasis. <a href="#">FASEB J. 226: 2648-56.</a></li> <li>Stern-Ginossar, N. <i>et al.</i> (2007) Intercellular Transfer of Carcinoembryonic Antigen from Tumor Cells to NK Cells. <a href="#">J Immunol. 2007 Oct 1;179: 4424-34.</a></li> <li>Ferro, F. <i>et al.</i> (2011) Adipose tissue-derived stem cell in vitro differentiation in a three-dimensional dental bud structure. <a href="#">Am J Pathol.178: 2299-310.</a></li> <li>Chao, A. <i>et al.</i> (2006) Molecular characterization of adenocarcinoma and squamous carcinoma of the uterine cervix using microarray analysis of gene expression. <a href="#">Int J Cancer. 119: 91-8.</a></li> <li>Domenis, R. <i>et al.</i> (2015) Adipose tissue derived stem cells: in vitro and in vivo analysis of a standard and three commercially available cell-assisted lipotransfer techniques. <a href="#">Stem Cell Res Ther. 6: 2.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

## Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)

HUMAN SEROBLOCK (BUF070B)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

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**Europe**

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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