

## Datasheet: MCA1744F

<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>	0.1 mg

## 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 product 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 product 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 A from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% sodium azide (NaN <sub>3</sub> )		
<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](#)

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Synonyms

CEA

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RRID

AB\_323914

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Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3NSI myeloma cell line.

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Specificity

**Mouse anti Human CD66e antibody, clone C365D3 (NCRC23)** 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 [Ig-like domains](#). Mouse anti Human CD66e antibody, clone C365D3 does not cross-react with normal cross-reacting antigen (CD66c), or with biliary glycoprotein 1 (CD66a) as indicated by binding assays ([Price 1988](#), note: in this study Mouse anti Human CD66e antibody, clone C365D3 is designated as clone 6 (from author)).

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Flow Cytometry

Use 10µl of the suggested working dilution to label 10<sup>6</sup> cells in 100µl

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References

1. Seth, J. *et al.* (1988) Carcinoembryonic antigen. [Lancet. 1 \(8599\): 1399.](#)
2. Chao, A. *et al.* (2006) Molecular characterization of adenocarcinoma and squamous carcinoma of the uterine cervix using microarray analysis of gene expression. [Int J Cancer. 119: 91-8.](#)
3. Stern-Ginossar, N. *et al.* (2007) Intercellular transfer of carcinoembryonic antigen from tumor cells to NK cells. [J Immunol. 179 \(7\): 4424-34.](#)
4. Kalinina, T. *et al.* (2010) Establishment and characterization of a new human pancreatic adenocarcinoma cell line with high metastatic potential to the lung. [BMC Cancer.10: 295.](#)
5. Soucek, K. *et al.* (2010) Fetal colon cell line FHC exhibits tumorigenic phenotype, complex karyotype, and TP53 gene mutation. [Cancer Genet Cytogenet. 197: 107-16.](#)
6. Ferro, F. *et al.* (2011) Adipose tissue-derived stem cell in vitro differentiation in a three-dimensional dental bud structure. [Am J Pathol.178: 2299-310.](#)
7. Dallas, M.R. *et al.* (2012) Divergent roles of CD44 and carcinoembryonic antigen in colon cancer metastasis. [FASEB J. 226: 2648-56.](#)
8. Domenis, R. *et al.* (2015) Adipose tissue derived stem cells: in vitro and in vivo analysis of a standard and three commercially available cell-assisted lipotransfer techniques. [Stem Cell Res Ther. 6: 2.](#)
9. Wicklein, D. *et al.* (2018) CEACAM1 promotes melanoma metastasis and is involved in the regulation of the EMT associated gene network in melanoma cells. [Sci Rep. 8 \(1\): 11893.](#)
10. Caponnetto, F. *et al.* (2020) Human Adipose-Derived Stem Cells in Madelung's Disease: Morphological and Functional Characterization. [Cells: 10 \(1\): 44.](#)

**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1744F>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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