

Datasheet: MCA1744FT

BATCH NUMBER 157124

Description:	MOUSE ANTI HUMAN CD66e:FITC
Specificity:	CD66e
Other names:	CEA
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	C365D3 (NCRC23)
Isotype:	IgG1
Quantity:	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.

	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.

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

Concentrations

External Database

Links

UniProt:

[P06731](#)

[Related reagents](#)

Entrez Gene:

[1048](#)

CEACAM5

[Related reagents](#)

Synonyms

CEA

RRID

AB_2244694

Fusion Partners

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

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)).

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References

1. Seth, J. *et al.* (1988) Carcinoembryonic antigen. [Lancet. 1 \(8599\): 1399.](#)
2. 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.](#)
3. 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.](#)
4. Dallas, M.R. *et al.* (2012) Divergent roles of CD44 and carcinoembryonic antigen in colon cancer metastasis. [FASEB J. 226: 2648-56.](#)
5. Stern-Ginossar, N. *et al.* (2007) Intercellular Transfer of Carcinoembryonic Antigen from Tumor Cells to NK Cells. [J Immunol. 2007 Oct 1;179: 4424-34.](#)
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. 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.](#)
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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1744FT>
10041

Regulatory For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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