Datasheet: MCA1744F

BATCH NUMBER 151408

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

	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 G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
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_323914
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;1 79: 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.

Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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/MCA1744F 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)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M365657:200529'

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