

Datasheet: MCA1744T

BATCH NUMBER 158682

Description:	MOUSE ANTI HUMAN CD66e
Specificity:	CD66e
Other names:	CEA
Format:	Purified
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	▪			
Immunohistology - Frozen	▪			1/1000
Immunohistology - Paraffin (1)	▪			1/1000
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

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.

(1) This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
External Database Links	<p>UniProt: P06731 Related reagents</p> <p>Entrez Gene: 1048 CEACAM5 Related reagents</p>
Synonyms	CEA
RRID	AB_2229236
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)).
References	<ol style="list-style-type: none"> Seth, J. <i>et al.</i> (1988) Carcinoembryonic antigen. Lancet. 1 (8599): 1399. Soucek, K. <i>et al.</i> (2010) Fetal colon cell line FHC exhibits tumorigenic phenotype, complex karyotype, and TP53 gene mutation. Cancer Genet Cytogenet. 197: 107-16. 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. BMC Cancer.10: 295. Dallas, M.R. <i>et al.</i> (2012) Divergent roles of CD44 and carcinoembryonic antigen in colon cancer metastasis. FASEB J. 226: 2648-56. Stern-Ginossar, N. <i>et al.</i> (2007) Intercellular Transfer of Carcinoembryonic Antigen from Tumor Cells to NK Cells. J Immunol. 2007 Oct 1;179: 4424-34. Ferro, F. <i>et al.</i> (2011) Adipose tissue-derived stem cell in vitro differentiation in a three-dimensional dental bud structure. Am J Pathol.178: 2299-310. Chao, A. <i>et al.</i> (2006) Molecular characterization of adenocarcinoma and squamous carcinoma of the uterine cervix using microarray analysis of gene expression. Int J Cancer. 119: 91-8. 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. Stem Cell Res Ther. 6: 2. Wicklein, D. <i>et al.</i> (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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1744T>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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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