

Datasheet: 1820-4700T

Description:	MOUSE ANTI HUMAN CD66e
Specificity:	CD66e
Other names:	CEA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CB30
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	▪			
Immunohistology - Paraffin (1)	▪			1/100 - 1/200
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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 the appropriate negative/positive controls.

(1)This product requires protein digestion pre-treatment of paraffin sections e.g. 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 (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Human carcinoembryonic antigen.
External Database Links	<p>UniProt: P06731 Related reagents</p> <p>Entrez Gene: 1048 CEACAM5 Related reagents</p>
Synonyms	CEA
RRID	AB_2077597
Specificity	<p>Mouse anti Human CD66e antibody, clone CB30 recognizes human CD66e, also known as carcinoembryonic antigen (CEA).</p> <p>CD66e is a member of the immunoglobulin supergene family that is mainly expressed on epithelial cells. CD66e may play a role in cancer cells metastasis, and has been used clinically as a tumor marker for early detection of disease.</p>
Histology Positive Control Tissue	Adenocarcinoma of colon.
References	<p>1. Horenstein, A.L. <i>et al.</i> (2003) Design and scaleup of downstream processing of monoclonal antibodies for cancer therapy: from research to clinical proof of principle. J Immunol Methods. 275 (1-2): 99-112.</p> <p>2. Manini, I. <i>et al.</i> (2020) Heterogeneity Matters: Different Regions of Glioblastoma Are Characterized by Distinctive Tumor-Supporting Pathways. Cancers (Basel). 12 (10)Oct 13 [Epub ahead of print].</p>
Further Reading	1. Thompson, J.A. <i>et al.</i> (1991) Carcinoembryonic antigen gene family: molecular biology and clinical perspectives. J Clin Lab Anal. 5 (5): 344-66.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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/1820-4700T>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
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](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

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

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
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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)
'M405260:220916'

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