

Datasheet: MCA216

BATCH NUMBER 164000

Description:	MOUSE ANTI HUMAN CD66b
Specificity:	CD66b
Other names:	BILIARY GLYCOPROTEIN, CARCINOEMBRYONIC ANTIGEN RELATED CELL ADHESION MOLECULE 8
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	80H3
Isotype:	IgG1
Quantity:	0.2 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	▪			1/20 - 1/100
Immunohistology - Frozen (1)	▪			1/25 - 1/100
Immunohistology - Paraffin		▪		
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting (2)	▪			
Functional Assays (3)	▪			

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) **The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.**

(2) See [Feuk-Lagerstedt et al.](#)

(3) **This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays.**

Target Species	Human
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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	<0.1% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human leucocytes from individuals with CML.
External Database Links	<p>UniProt: P31997 Related reagents</p> <p>Entrez Gene: 1088 CEACAM8 Related reagents</p>
Synonyms	CGM6
RRID	AB_2229261
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse MOPC 315-43 myeloma cell line.
Specificity	Mouse anti Human CD66b antibody, clone 80H3 reacts with the CEACAM8 or CGM6 gene product, from the carcinoembryonic gene family. The CEACAM8 gene product is called CD66b, Non-specific cross-reacting antigen NCA-95 or Carcinoembryonic antigen CGM6. CD66b is a 286 amino acid mature ~95-100 kDa GPI anchored molecule with an N-terminal 34 amino acid signal peptide and a 29 amino acid C-terminal propeptide, shed in the mature form. CD66b is expressed strongly by mature granulocytes and metamyelocytes, and weakly by bone marrow myelocytes. CD66b is not expressed by peripheral blood monocytes or lymphocytes.
Flow Cytometry	Use 10ul of the suggested working dilution to label 5 x 10 ⁵ cells or 100ul whole blood.
Histology Positive Control Tissue	Bone Marrow
References	<ol style="list-style-type: none"> Rosenkranz, A.R. <i>et al.</i> (1999) Novel C5-dependent mechanism of neutrophil stimulation by bioincompatible dialyzer membranes. J Am Soc Nephrol. 10: 128-35. Feuk-Lagerstedt, E. <i>et al.</i> (1999) Identification of CD66a and CD66b as the major galectin-3 receptor candidates in human neutrophils. J Immunol. 163: 5592-8. Ottonello, L. <i>et al.</i> (1999) Monoclonal Lym-1 antibody-dependent cytolysis by neutrophils exposed to granulocyte-macrophage colony-stimulating factor: intervention of

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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.

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/MCA216>
10041

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
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 (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [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)
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