

Datasheet: TZA0131GA

Description:	MOUSE ANTI HUMAN CD66c
Specificity:	CD66c
Other names:	CEACAM6
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rA19B19-08-1G8
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	▪			

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 appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant IgG containing a SpyTag at the C-terminus of the antibody heavy chain – liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Source	CHO cells
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen Recombinant CD66c Lys35-Gly320 expressed by mammalian cells

External Database

Links

UniProt:

[P40199](#)

[Related reagents](#)

Entrez Gene:

[4680](#)

CEACAM6

[Related reagents](#)

Synonyms

NCA

Specificity

Mouse anti Human CD66c antibody, clone rA19B19-08/1G8, is a recombinant monoclonal antibody that recognizes CD66c, also known as cell adhesion molecule CEACAM6.

CD66c is a member of the carcinoembryonic antigen (CEA) family, which is involved in a range of cellular processes through homotypic and heterotypic interactions. CD66c contains an N-terminal region homologous to the immunoglobulin variable domain, two domains homologous to the immunoglobulin constant domain and is linked to the membrane via a GPI anchor. CD66c is expressed in a range of organs, including the gallbladder, liver, colon, stomach, skin and tongue. CD66c has been shown to regulate anoikis through activation of the Src-FAK signaling system.

CD66c expression is increased in Crohn's disease and ulcerative colitis. It is a receptor for adherent invasive *E.coli* that promotes the inflammation associated with inflammatory bowel disease. CD66c expression is significantly increased in malignancies, is important for the metastatic potential of cancers and is reported to be a useful prognostic tool for cancer.

Flow Cytometry

Use 5µl of the suggested working dilution to label 0.5×10^6 cells in 100µl. Best practices suggest a 5 min centrifugation at 6,000g prior to sample application.

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

Acknowledgements

This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/TZA0131GA>

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
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 (STAR12...)	RPE

Recommended Negative Controls

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

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

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