

Datasheet: TZA076GA

BATCH NUMBER 64714515

Description:	MOUSE ANTI HUMAN CD26
Specificity:	CD26
Other names:	ADCP-2, Dipeptidyl peptidase 4
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rA13B13-08/4C8
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 G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen Recombinant CD26 Asn29-Pro766 expressed by mammalian cells

External Database

Links

UniProt:

[P27487](#) [Related reagents](#)

Entrez Gene:

[1803](#) DPP4 [Related reagents](#)

Synonyms

ADCP2, CD26

Specificity

Mouse anti Human CD26 antibody, clone rA13B13-08/4C8, is a recombinant monoclonal antibody that recognizes CD26, also known as dipeptidyl peptidase 4 (DPP4) or adenosine deaminase complexing protein 2.

CD26 is a single pass type II transmembrane glycoprotein expressed by activated T cells, B cells, natural killer cells and myeloid cells. A soluble form of CD26 can be derived by cleavage of the membrane bound form between residues 38-39. CD26 has DPP4 activity, cleaving off amino-terminal dipeptides with either L-alanine or L-proline in the second position. CD26 also interacts with a variety of binding partners, including Caveolin-1 and CXCR4. In the immune system, CD26 has a role in T cell development and activation.

CD26 is involved in immune-mediated disorders, including rheumatoid arthritis and graft-versus-host disease (GVHD). CD26 expression has been associated with more aggressive variants in certain cancers through the regulation of metastasis and local invasion. CD26 absence has also been linked to the development of other cancers due to its ability to regulate cancer progression. CD26 is the functional receptor for the pathogenic Middle East respiratory syndrome coronavirus.

Flow Cytometry

Use 10µl of the suggested working dilution to label 10⁶ cells in 100µl

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/TZA076GA>

Regulatory

For research purposes only

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
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
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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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