

Datasheet: MCA2345B

**BATCH NUMBER 151125**

|                      |                            |
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| <b>Description:</b>  | RAT ANTI MOUSE CD26:Biotin |
| <b>Specificity:</b>  | CD26                       |
| <b>Other names:</b>  | THAM                       |
| <b>Format:</b>       | Biotin                     |
| <b>Product Type:</b> | Monoclonal Antibody        |
| <b>Clone:</b>        | H207-1082                  |
| <b>Isotype:</b>      | IgG2a                      |
| <b>Quantity:</b>     | 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](http://www.bio-rad-antibodies.com/protocols).

|                | Yes | No | Not Determined | Suggested Dilution |
|----------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪   |    |                | Neat               |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

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| <b>Target Species</b>                 | Mouse   |
| <b>Product Form</b>                   | Purified IgG conjugated to Biotin - liquid  |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative</b>                   | 0.09% Sodium Azide  |
| <b>Stabilisers</b>                    | 1% Bovine Serum Albumin   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.1 mg/ml   |
| <b>External Database Links</b>        | <b>UniProt:</b>   |

**Entrez Gene:**

[13482](#)   Dpp4   [Related reagents](#)

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| <b>Synonyms</b> | Cd26 |
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| <b>RRID</b> | AB_609590 |
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| <b>Specificity</b> | <p><b>Rat anti Mouse CD26 antibody, clone H207-1082</b> recognizes mouse CD26, which is also known as thymocyte-activating molecule (THAM). Murine CD26 is a type II integral membrane dipeptidyl-peptidase that is expressed at the cell surface as a heterodimer, of approximately 220 kDa, and has a soluble form in the plasma.</p> <p>The CD26 molecule is a multifunctional glycoprotein that has ectopeptidase activity and is also reported to be involved in cell adhesion, signal transduction in T lymphocytes and HIV infection. CD26 is differentially expressed on developing thymocytes and is upregulated on activated T-cells but is not expressed on resting and thioglycollate stimulated macrophages. Expression of CD26 has also been reported on cells from a variety of non-haematopoietic tissues including liver, intestine and kidney.</p> |
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| <b>Flow Cytometry</b> | <p>Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.</p> <p>The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by using SeroBlock FcR (<a href="#">BUF041A/B</a>).</p> |
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| <b>References</b> | <ol style="list-style-type: none"><li>1. David, F. <i>et al.</i> (1993) Identification of serine 624, aspartic acid 702, and histidine 734 as the catalytic triad residues of mouse dipeptidyl-peptidase IV (CD26). A member of a novel family of nonclassical serine hydrolases. <a href="#">J Biol Chem. 268:17247-52.</a></li><li>2. Marguet, D. <i>et al.</i> (2000) Enhanced insulin secretion and improved glucose tolerance in mice lacking CD26. <a href="#">Proc Natl Acad Sci U S A. 97:6874-9.</a></li></ol> |
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| <b>Further Reading</b> | <ol style="list-style-type: none"><li>1. Vivier, I. <i>et al.</i> (1991) Evidence that thymocyte-activating molecule is mouse CD26 (dipeptidyl peptidase IV). <a href="#">J Immunol. 147 (2): 447-54.</a></li></ol> |
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| <b>Storage</b> | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
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| <b>Guarantee</b> | 12 months from date of despatch |
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| <b>Health And Safety Information</b> | <p>Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2345B">https://www.bio-rad-antibodies.com/SDS/MCA2345B</a></p> <p>10041</p> |
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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://bio-rad-antibodies.com/datasheets)

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