

Datasheet: MCA2183FT

Description:	RAT ANTI MOUSE CD13:FITC		
Specificity:	CD13		
Other names:	AMINOPEPTIDASE N		
Format:	FITC		
Product Type:	Monoclonal Antibody		
Clone:	R3-63		
Isotype:	lgG2a		
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	•			Neat - 1/5

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.

Immunogen	Mouse intestinal APN
External Database Links	UniProt:
	P97449 Related reagents
	Entrez Gene:
	16790 Anpep Related reagents
Synonyms	Lap1, Lap-1
RRID	AB_1100676
Fusion Partners	Spleen cells from immunized mice were fused with cells of the IR983F rat myeloma cell line.
Specificity	Rat anti Mouse CD13 antibody, clone R3-63 recognizes mouse aminopeptidase N (APN), a cell surface protein homologous with human CD13. In the mouse, CD13 is a non-covalently linked homodimer of approximately 150 kDa subunits expressed by a variety of cells including monocytes, macrophages, dendritic cell and veiled cells.
	Rat anti Mouse CD13 antibody, clone R3-63 has been reported to block mouse APN enzyme activity (<u>Hansen <i>et al.</i> 1993</u>).
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl. The Fc region of monoclonal antibodies may bind to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/BUF041B).
References	 Kamoun, W.S. <i>et al.</i> (2009) Edema control by cediranib, a vascular endothelial growth factor receptor-targeted kinase inhibitor, prolongs survival despite persistent brain tumor growth in mice. <u>J Clin Oncol. 27: 2542-52.</u> Hansen, A.S. <i>et al.</i> (1993) A mouse aminopeptidase N is a marker for antigen-presenting cells and appears to be co-expressed with major histocompatibility complex class II molecules. <u>Eur J Immunol. 23 (9): 2358-64.</u>
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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. This product is photosensitive and should be protected from light.

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/MCA2183FT 10041
Regulatory	For research purposes only

Related Products

America

Recommended Negative Controls

Fax: +1 919 878 3751

RAT IgG2a NEGATIVE CONTROL:FITC (MCA1212F)

North & South Tel: +1 800 265 7376 Worldwide

Email: antibody_sales_us@bio-rad.com

Tel: +44 (0)1865 852 700 **Europe** Fax: +44 (0)1865 852 739 Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

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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 'M413193:221120'

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