Datasheet: MCA4705GA

Description:	HAMSTER ANTI MOUSE CD103
Specificity:	CD103
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2E7
Isotype:	IgG
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	▪			1/10 - 1/20
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	
Immunofluorescence	▪			

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	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 0.5mg/ml

Immunogen	Mouse intestinal intraepithelial lymphocytes
External Database Links	**UniProt:** Q60677 Related reagents **Entrez Gene:** 16407 Itgae Related reagents
RRID	AB_2249322
Specificity	**Hamster anti Mouse CD103 antibody, clone 2E7** recognizes mouse CD103, otherwise known as integrin alpha-E. CD103 binds Integrin beta 7 to form the heterodimeric integrin molecule αEβ7. This complex is sometimes referred to as CD103, though strictly speaking CD103 only refers to the alpha chain. The beta 7 subunit can also interact with other integrin alpha chains. The αEβ7 complex is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocyes to epithelial cell monolayers. CD103 is expressed on intestinal intraepithelial lymphocytes and is highly expressed on regulatory T cells. Hamster anti Mouse CD103 antibody, clone 2E7 is expected to also recognize the intact αEβ7 complex.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.
References	1. Lefrançois, L. *et al.* (1994) Developmental expression of the alpha IEL beta 7 integrin on T cell receptor gamma delta and T cell receptor alpha beta T cells. Eur J Immunol. 24: 635- 640
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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA4705GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Hamster IgG (STAR104...) DyLight®800, FITC

Goat Anti Hamster IgG (STAR79...) Biotin, FITC, HRP

Recommended Negative Controls

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

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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