Datasheet: MCA2238F

Description:	MOUSE ANTI HUMAN CD160:FITC
Specificity:	CD160
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	BY55
Isotype:	IgM
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 antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Product Form

Purified IgM conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Preparation

Purified IgM prepared from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgM concentration 0.1 mg/ml

Immunogen

Human NK cell line YT2C2.

External Database Links

UniProt:
O95971 Related reagents

Entrez Gene:

11126 CD160 Related reagents

Synonyms	BY55
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the mouse NS-1 myeloma.
Specificity	**Mouse anti Human CD160 antibody, clone BY55** recognizes human CD160, a ~27 kDa cell surface glycoprotein that was initially identified by clone BY55. The expression of CD160 is restricted to circulating NK cells, lymphocytes expressing T-cell receptor (TCR) gamma/delta and a small population of TCR alpha/beta positive T cells. CD160 is expressed by intestinal intraepithelial lymphocytes.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. Anumanthan, A. *et al.* (1998) Cloning of BY55, a novel Ig superfamily member expressed on NK cells, CTL, and intestinal intraepithelial lymphocytes. J Immunol. 161 (6): 2780-90. 2. Maiza, H. *et al.* (1993) A novel 80-kD cell surface structure identifies human circulating lymphocytes with natural killer activity. J Exp Med. 178: 1121-6. 3. Nikolova, M. *et al.* (2002) BY55/CD160 acts as a co-receptor in TCR signal transduction of a human circulating cytotoxic effector T lymphocyte subset lacking CD28 expression. Int Immunol. 14 (5): 445-51.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgM NEGATIVE CONTROL:FITC (MCA692F)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751
Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739
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