

Datasheet: MCA2238XZ

Description:	MOUSE ANTI HUMAN CD160:Preservative Free
Specificity:	CD160
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	BY55
Isotype:	IgM
Quantity:	1 mg

Product Details

RRID AB_2275707

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 - 1/50
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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 - liquid

Preparation Purified IgM prepared from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers None present

Approx. Protein Concentrations IgM concentration 1.0 mg/ml

Immunogen Human NK cell line YT2C2.

External Database **UniProt:**

Links [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 10⁶ 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 -20°C only.

This product should be stored undiluted.

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.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10162 available at: 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)

Goat Anti Mouse IgM (STAR86...) [RPE](#)

Goat Anti Mouse IgM (102001...) [FITC](#)

Recommended Negative Controls

[MOUSE IgM NEGATIVE CONTROL \(MCA692\)](#)

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
'M343559:190111'

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

Printed on 20 May 2019

© 2019 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)