

## Datasheet: MCA2238XZ

<b>Description:</b>	MOUSE ANTI HUMAN CD160:Preservative Free
<b>Specificity:</b>	CD160
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	BY55
<b>Isotype:</b>	IgM
<b>Quantity:</b>	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 - 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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgM - liquid
<b>Preparation</b>	Purified IgM prepared from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgM concentration 1.0 mg/ml
<b>Immunogen</b>	Human NK cell line YT2C2.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">O95971</a> <a href="#">Related reagents</a>

**Entrez Gene:**

[11126](#) CD160 [Related reagents](#)

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<b>Synonyms</b>	BY55
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<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells of the mouse NS-1 myeloma.
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<b>Specificity</b>	<p><b>Mouse anti Human CD160 antibody, clone BY55</b> 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.</p> <p>CD160 is expressed by intestinal intraepithelial lymphocytes.</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Anumanthan, A. <i>et al.</i> (1998) Cloning of BY55, a novel Ig superfamily member expressed on NK cells, CTL, and intestinal intraepithelial lymphocytes. <a href="#">J Immunol. 161 (6): 2780-90.</a></li><li>2. Maiza, H. <i>et al.</i> (1993) A novel 80-kD cell surface structure identifies human circulating lymphocytes with natural killer activity. <a href="#">J Exp Med. 178: 1121-6.</a></li><li>3. Nikolova, M. <i>et al.</i> (2002) BY55/CD160 acts as a co-receptor in TCR signal transduction of a human circulating cytotoxic effector T lymphocyte subset lacking CD28 expression. <a href="#">Int Immunol. 14 (5): 445-51.</a></li></ol>
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<b>Storage</b>	<p>Store at -20°C only.</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>Shelf Life</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Goat Anti Mouse IgM (STAR86...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
- Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)
- Goat Anti Mouse IgM (102001...) [FITC](#)

### Recommended Negative Controls

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

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