

# Datasheet: MCA6113Z

**BATCH NUMBER 167656**

|                      |   |
|----------------------|---|
| <b>Description:</b>  | MOUSE ANTI HUMAN CD107a:Preservative Free |
| <b>Specificity:</b>  | CD107a                                    |
| <b>Other names:</b>  | LAMP-1                                    |
| <b>Format:</b>       | Preservative Free                         |
| <b>Product Type:</b> | Monoclonal Antibody                       |
| <b>Clone:</b>        | H4A3                                      |
| <b>Isotype:</b>      | IgG1                                      |
| <b>Quantity:</b>     | 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](http://www.bio-rad-antibodies.com/protocols).

|                            | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             | ▪   |    |                |                    |
| Immunohistology - Frozen   | ▪   |    |                |                    |
| Immunohistology - Paraffin | ▪   |    |                |                    |
| Western Blotting           | ▪   |    |                | 1/1000             |
| Immunocytochemistry        | ▪   |    |                |                    |

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.

|                                 |  |
|---------------------------------|--|
| <b>Target Species</b>           | Human  |
| <b>Species Cross Reactivity</b> | <p>Reacts with: Primate, Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p> |
| <b>Product Form</b>             | Purified IgG - liquid  |
| <b>Preparation</b>              | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant and 0.2 µm filter sterilized   |

|                                       |   |
|---------------------------------------|---|
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b>       | None present  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml   |
| <b>Immunogen</b>                      | Human PBMCs   |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P11279</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">3916</a> LAMP1 <a href="#">Related reagents</a>  |
| <b>Specificity</b>                    | <b>Mouse anti Human CD107a, clone H4A3</b> recognizes <a href="#">CD107a</a> . CD107a (also known as LAMP-1) is a major component in lysosomal membranes. It is composed of a polypeptide core of approximately 40 kDa but normally migrates between 100-120 kDa due to high levels of glycosylation ( <a href="#">Carlsson and Fukuda, 1989</a> ). |
| <b>Purity</b>                         | >95% by SDS PAGE  |
| <b>Storage</b>                        | Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted.   |
| <b>Guarantee</b>                      | Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.  |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10162 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/MCA6113Z">https://www.bio-rad-antibodies.com/SDS/MCA6113Z</a><br>10162  |
| <b>Regulatory</b>                     | For research purposes only  |

## Related Products

### Recommended Secondary Antibodies

|   |  |
|---|--|
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                              |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                              |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                             |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>                             |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                              |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>                              |

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto: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](https://bio-rad-antibodies.com/datasheets)

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