

Datasheet: AAM75

**BATCH NUMBER 160928**

|                      |                                      |
|----------------------|--------------------------------------|
| <b>Description:</b>  | GOAT ANTI MOUSE M-CSF                |
| <b>Specificity:</b>  | M-CSF                                |
| <b>Other names:</b>  | MACROPHAGE COLONY-STIMULATING FACTOR |
| <b>Format:</b>       | Purified                             |
| <b>Product Type:</b> | Polyclonal Antibody                  |
| <b>Isotype:</b>      | Polyclonal IgG                       |
| <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 |     |    | ▪              |                    |
| ELISA                      | ▪   |    |                | 0.5 - 2.0ug/ml     |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           | ▪   |    |                | 0.1 - 0.2ug/ml     |
| Functional Assays          | ▪   |    |                | 0.05 - 0.08ug/ml   |

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> | Mouse  |
| <b>Product Form</b>   | Purified IgG - lyophilised   |
| <b>Reconstitution</b> | <p>Reconstitute with 0.1ml distilled water</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended. N.B. For functional studies do not add sodium azide</p> |

**Antiserum Preparation** Antiserum to mouse M-CSF was raised by repeated immunisation of goats with highly

purified antigen. Purified IgG was prepared by affinity chromatography.

|                                |   |
|--------------------------------|---|
| Buffer Solution                | Phosphate buffered saline   |
| Preservative Stabilisers       | None present  |
| Carrier Free                   | Yes   |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml after reconstitution   |
| Immunogen                      | Recombinant mouse M-CSF.  |
| External Database Links        | <b>UniProt:</b><br><a href="#">P07141</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">12977</a> Csf1 <a href="#">Related reagents</a>  |
| Synonyms                       | Csfm  |
| RRID                           | AB_2085086  |
| Specificity                    | <p><b>Goat anti Mouse M-CSF antibody</b> recognizes mouse M-CSF (Macrophage colony-stimulating factor), a potent lineage restricted haematopoietic growth factor and member of the CSF family of hormone-like glycoproteins, which plays a key role in the regulation of cellular differentiation, proliferation, and the survival of blood monocytes, tissue macrophages and their progenitor cells.</p> <p>Along with sRANKL/CD254/OPGL, M-CSF is essential for osteoclastogenesis, acting through the tyrosine kinase receptor c-fms (colony stimulating factor 1 receptor). A genetic defect in M-CSF is responsible for osteopetrosis in mice (op/op), which are severely deficient in mature macrophages and have a restricted capacity for bone remodelling.</p> |
| References                     | 1. Djelloul, M. <i>et al.</i> (2016) RAE-1 expression is induced during experimental autoimmune encephalomyelitis and is correlated with microglia cell proliferation. <a href="#">Brain Behav Immun. 58: 209-17.</a>   |
| Storage                        | <p>Prior to reconstitution store at -20°C.<br/>After reconstitution store at -20°C.</p> <p>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.</p>  |
| Guarantee                      | 12 months from date of despatch   |

**Health And Safety  
Information**

Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/AAM75>  
10162

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

**North & South  
America**

Tel: +1 800 265 7376

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M372432:200706'

**Printed on 01 Mar 2024**