

## Datasheet: MCA6038

|                      |                                  |
|----------------------|----------------------------------|
| <b>Description:</b>  | MOUSE ANTI VESICLE-FUSING ATPase |
| <b>Specificity:</b>  | VESICLE-FUSING ATPase            |
| <b>Other names:</b>  | NSF                              |
| <b>Format:</b>       | Purified                         |
| <b>Product Type:</b> | Monoclonal Antibody              |
| <b>Clone:</b>        | 9G7-3                            |
| <b>Isotype:</b>      | IgG2b                            |
| <b>Quantity:</b>     | 50 µg                            |

## 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 |
|----------------------------|-----|----|----------------|--------------------|
| Immunohistology - Paraffin | ■   |    |                |                    |
| Western Blotting           | ■   |    |                | 1/1000             |

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>       | Reacts with: Rat, Bovine, Hamster, Monkey, Pig, Mouse, Rabbit, Sheep<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species. |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                                                                    |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G                                                                                            |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>50% Glycerol                                                                                                   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml                                                                                                                              |
| <b>Immunogen</b>                      | Recombinant bovine vesicle-fusing ATPase                                                                                                                 |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P46459</a> <a href="#">Related reagents</a>                                                                               |

**Entrez Gene:**[4905](#) NSF [Related reagents](#)

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fusion Partners</b>               | Spleen cells from immunized Balb/c mice were fused with cells of the murine NS-1 myeloma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Specificity</b>                   | <p><b>Mouse anti vesicle-fusing ATPase antibody, clone 9G7-3</b> recognizes vesicle-fusing ATPase also known as NEM-sensitive fusion protein or NSF.</p> <p>Vesicle-fusing ATPase is a member of the hydrolase protein family, which play an essential role in vesicle-mediated transport. This enzyme acts within the Golgi cisternae by catalyzing the fusion of transport vesicles as well as delivering cargo proteins to all Golgi compartments. Vesicle-fusing ATPase is also essential for facilitating transport from the endoplasmic reticulum to the Golgi body itself.</p> |
| <b>Western Blotting</b>              | Mouse anti vesicle-fusing ATPase recognizes a band of ~76 kDa by western blot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>                       | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>                                                                                                                                                                                                                                                                |
| <b>Shelf Life</b>                    | 12 months from date of despatch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10049 available at:<br>10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                                                                                                                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>                                                                                                                                                                                    |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> ,<br><a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight®800</a>                                                                                                                                                                                                         |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Human Anti Mouse IgG2b (HCA038...)      | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

### Recommended Useful Reagents

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

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'M283185:160226'

**Printed on 02 May 2018**

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