

Datasheet: VMA00852

**BATCH NUMBER 100004556**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | MOUSE ANTI SRSF3       |
| <b>Specificity:</b>  | SRSF3                  |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Monoclonal |
| <b>Clone:</b>        | CD01/2F12              |
| <b>Isotype:</b>      | IgG1                   |
| <b>Quantity:</b>     | 100 µl                 |

## 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 |
|---------------------|-----|----|----------------|--------------------|
| Immunoprecipitation | ▪   |    |                |                    |
| Western Blotting    | ▪   |    |                | 1/1000             |

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Rat

**N.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.

### Product Form

Purified IgG - Liquid

### Preparation

Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant

### Buffer Solution

Phosphate buffered saline

|                                       |  |
|---------------------------------------|--|
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml  |
| <b>Immunogen</b>                      | <i>E. coli</i> -derived recombinant protein of amino acids 1-164 of human SRSF3  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P84103</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">6428</a>    SRSF3    <a href="#">Related reagents</a></p>   |
| <b>Synonyms</b>                       | SFRS3, SRP20   |
| <b>Fusion Partners</b>                | Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line   |
| <b>Specificity</b>                    | <p><b>Mouse anti SRSF3 antibody</b> recognizes serine/arginine-rich splicing factor 3, also known as SFRS3, SRP20.</p> <p>SRSF3 is the smallest member of the SR family of proteins, and promotes RNA splicing by recruiting spliceosome components. In addition, SRSF3 appears to regulate cell proliferation by controlling the G2/M transition (<a href="#">Kumar et al. 2019</a>), and achieves this by regulating expression of FOXM1 and two of its transcriptional targets, PLK1 and Cdc25B (<a href="#">Kuranaga et al. 2018</a>). Via alternative splicing, the protein can promote cellular senescence which is important for preventing cancer and contributing to aging (<a href="#">Shen et al. 2019</a>). SRSF3 has been suggested to be a proto-oncogene, and is overexpressed in a number of tumors including breast, colon, ovarian, cervical, bone cancer, and glioma (<a href="#">Song et al. 2020</a>). SRSF3 is also essential for development of fertilized-competent oocytes (<a href="#">Vinh Do et al. 2018</a>).</p> |
| <b>Western Blotting</b>               | Mouse anti SRSF3 antibody detects a band of approximately 23 kDa in HEK293 cell lysates  |
| <b>Storage</b>                        | Store undiluted at -20°C, avoiding repeated freeze thaw cycles   |
| <b>Guarantee</b>                      | 12 months from date of despatch  |
| <b>Acknowledgements</b>               | PrecisionAb is a trademark of Bio-Rad Laboratories   |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00852">https://www.bio-rad-antibodies.com/SDS/VMA00852</a> Antibody (10040)  |
| <b>Regulatory</b>                     | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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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://bio-rad-antibodies.com/datasheets)

'M412807:221116'

Printed on 10 Apr 2024

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