

## Datasheet: 8365-1256

|                      |   |
|----------------------|---|
| <b>Description:</b>  | MOUSE ANTI CHICKEN SPECTRIN (NON-ERYTHROID) |
| <b>Specificity:</b>  | SPECTRIN (NON-ERYTHROID)                    |
| <b>Format:</b>       | Purified                                    |
| <b>Product Type:</b> | Monoclonal Antibody                         |
| <b>Clone:</b>        | AA6 (7A3)                                   |
| <b>Isotype:</b>      | IgG1  |
| <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    |     | ▪  |                |                    |
| Immunoprecipitation           | ▪   |    |                |                    |
| Western Blotting              | ▪   |    |                | 1/500 - 1/2000     |
| Immunofluorescence            | ▪   |    |                | 1/200 - 1/400      |
| Chromatin Immunoprecipitation | ▪   |    |                |                    |

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.

### Target Species

Chicken

### Species Cross Reactivity

Reacts with: Rabbit, Rat, Guinea Pig, Human, Mouse, Pig, Human  
Based on sequence similarity, is expected to react with: Mammals

**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

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

|                                       |   |
|---------------------------------------|---|
| <b>Buffer Solution</b>                | Phosphate buffered saline.  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.1 mg/ml   |
| <b>Immunogen</b>                      | Chicken blood cell membrane purified by hypotonic lysis and mechanical enucleation.   |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P07751</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">374234</a> SPTAN1    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | SPTA2   |
| <b>RRID</b>                           | AB_619299   |
| <b>Specificity</b>                    | <p><b>Mouse anti Chicken spectrin, clone AA6</b> recognizes spectrin alpha chain, non-erythrocytic 1, also known as Alpha-II spectrin and Fodrin alpha chain, encoded by the SPTAN1 gene. Mouse anti chicken spectrin recognizes both <a href="#">chicken spectrin</a> and the alpha chain of non-erythroid spectrin in mammalian cells.</p> <p>Mouse anti Chicken spectrin, clone AA6 reacts with the 240 kDa full length spectrin alpha, the ~150 kDa, 145 kDa characteristic breakdown products of calpain and caspase-3 (<a href="#">Nath et al. 1996</a>) and the ~120 kDa product, a result of caspase-3 activation (<a href="#">Nath et al. 1998</a>).</p> |
| <b>Western Blotting</b>               | Clone AA6 recognizes the 150kDa and 120kDa spectrin cleavage products in staurosporine-treated HeLa lysates.  |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>1. Ylikoski, J. <i>et al.</i> (1992) Distribution of F-actin and fodrin in the hair cells of the guinea pig cochlea as revealed by confocal fluorescence microscopy. <a href="#">Hear Res. 60 (1): 80-8.</a></li> <li>2. Ylikoski, J. <i>et al.</i> (1990) Nonerythroid spectrin (fodrin) is a prominent component of the cochlear hair cells. <a href="#">Hear Res. 43 (2-3): 199-203.</a></li> </ol>   |
| <b>Storage</b>                        | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>   |
| <b>Guarantee</b>                      | 12 months from date of despatch   |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/8365-1256">https://www.bio-rad-antibodies.com/SDS/8365-1256</a>  |

**Regulatory**

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>   |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight@800</a>   |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>   |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>  |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>  |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>   |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>  |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> ,<br><a href="#">DyLight@650</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |

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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)

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