

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse Meteorin in direct ELISAs.                                                                                                                                                                                                                                    |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2B</sub> Clone # 347504                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse Meteorin<br>Gly22-Asp291<br>Accession # Q8C1Q4                                                                                                                                                                        |
| <b>Conjugate</b>          | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**ELISA** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

Meteorin is a 31 kDa, secreted protein that is expressed by undifferentiated neural and glial progenitors, and astrocytes. Its name derives from its ability to generate glial cells with long meteor-like tails. Mouse Meteorin is synthesized as a 291 amino acid (aa) precursor that contains a 270 aa mature region. It contains eight cysteines with no identifiable domains or N-linked glycosylation sites. There is one alternate splice form where the first 164 aa of the precursor are deleted and aa 165 is changed to a Met, possibly to serve in translation initiation. Mature mouse Meteorin is 82% and 77% aa identical to human and bovine Meteorin, respectively.

## PRODUCT SPECIFIC NOTICES

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