

#### DESCRIPTION

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|---------------------------|--|
| <b>Species Reactivity</b> | Mouse  |
| <b>Specificity</b>        | Detects mouse Cryptic in direct ELISAs and Western blots. In Western blots, 100% cross-reactivity with recombinant human Cryptic is observed.  |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2B</sub> Clone # 221428  |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse Cryptic<br>Tyr36-Gly177<br>Accession # P97766  |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm  |
| <b>Formulation</b>        | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<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.

|                       | <b>Recommended Concentration</b> | <b>Sample</b>                     |
|-----------------------|----------------------------------|-----------------------------------|
| <b>Flow Cytometry</b> | 0.25-1 µg/10 <sup>6</sup> cells  | D3 mouse embryonic stem cell line |

#### 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> | <b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul> |

#### BACKGROUND

Cryptic, also known as CFC-1, is a member of the Epidermal Growth Factor-Cripto/FRL-1/Cryptic (EGF-CFC) family of signaling proteins. It is expressed during mesoderm differentiation and is necessary for determining left-right asymmetry. Cryptic functions as a co-receptor that regulates signaling by some TGF-β superfamily members.

#### PRODUCT SPECIFIC NOTICES

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