

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Cryptic in direct ELISAs and Western blots. In Western blots, 100% cross-reactivity with recombinant human Cryptic is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 221428
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Cryptic Tyr36-Gly177 Accession # P97766
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	D3 mouse embryonic stem cell line

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

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.

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