

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse R-Spondin 3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse (rm) RSPO-1, rmRSPO-4, recombinant human (rh) RSPO-2, or rhRSPO-3 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 400404
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse R-Spondin 3 Ser21-Gly209 (Gln108Lys) Accession # BAC36296
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

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. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

RSPO-3 (R-spondin 3; also Cristin-1), is a 256 aa secreted R-Spondin family member which binds LRP-6 and Fzd8 and regulates β -catenin signaling. R-Spondins contain two adjacent cysteine-rich furin-like domains at their amino-termini, followed by a thrombospondin (TSP-1) motif and a variable length basic C-terminal region. Two RSPO-3 splice isoforms that differ in their C-termini have been reported. Mouse RSPO-3 shares 93% and 97% aa identity with human and rat RSPO-3, respectively, over the sequence used as an immunogen.

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