

**DESCRIPTION**

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	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.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 400404
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse R-Spondin 3 Ser21-Gly209 (Gln108Lys) Accession # BAC36296
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

**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>Western Blot</b>	1 µg/mL	Recombinant Mouse R-Spondin 3

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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.