

**DESCRIPTION**

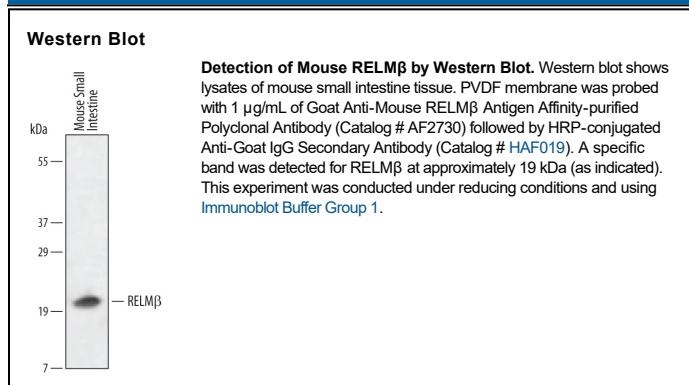
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse RELM $\beta$ in direct ELISAs and Western blots. In direct ELISAs, approximately 40% cross-reactivity with recombinant rat RELM $\gamma$ is observed and 10% cross-reactivity with recombinant mouse (rm) Resistin and rmRELM $\alpha$ is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse RELM $\beta$ Gly21-Ala105 Accession # Q99P86
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m 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 $\mu$ m 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 $\mu$ g/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 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**

RELM $\beta$ , also known as FIZZ2 (found in inflammatory zone 2) is a 9 kDa secreted, cysteine-rich protein belonging to the RELM family. By analogy to Resistin, RELM $\beta$  is expected to exist in two distinct multimeric structures corresponding to hexamers and trimers. RELM $\beta$  is synthesized by intestinal goblet cells and is secreted into the intestinal lumen. Mouse RELM $\beta$  shares 61% and 77% amino acid (aa) sequence identity with human and rat RELM $\beta$ , respectively. It also shares 52%, 71% and 46% aa sequence identity with mouse RELM $\alpha$ , RELM $\gamma$  and Resistin, respectively.