

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse Reg3B in direct ELISAs and Western blots. In direct ELISAs, approximately 75% cross-reactivity with recombinant rat (rr) Reg3B is observed. In Western blots approximately 30% cross-reactivity with rrReg3B is observed. In                                  |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse Reg3B<br>Glu27-Gly175<br>Accession # P35230                                                                                                                                                                                       |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<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>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

## 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> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

Reg3B (regenerating islet-derived protein III beta; also PAP-I and HIP) is a secreted, 17 kDa member of the Reg gene family, C-type lectin gene superfamily. It is found in pancreatic acinar cells, intestinal enterocytes and developing spinal motoneurons. Reg3B may play a role in intestinal epithelial cell renewal. The mouse Reg3B precursor is 175 amino acids (aa) in length. It contains a 26 aa signal sequence plus a 149 aa mature region that possesses one C-type lectin domain (aa 38-173). Mature mouse Reg3B is 59%, 71% and 51% aa identical to the products of three other Reg3 named genes termed RegA, G, and D, respectively. Mature mouse Reg3B is also 91% and 67% aa identical to rat and human Reg3B, respectively.

## PRODUCT SPECIFIC NOTICES

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