

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse Reg1 in direct ELISAs and Western blots. In Western blots, approximately 10% cross-reactivity with recombinant mouse (rm) Reg2 is observed and less than 5% cross-reactivity with rmReg3A, recombinant human (rh) Reg1B, rhRe                                 |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse Reg1<br>Gln22-Gly165<br>Accession # P43137                                                                                                                                                                                        |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 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.

**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

Reg1, also known as pancreatic thread protein (PTP), pancreatic stone protein (PSP) and lithostathine, is the founding member of the Reg family of proteins, which are secreted proteins with a C-type lectin domain. Reg1 is expressed during islet regeneration. Reg1 functions in an autocrine/paracrine fashion via a cell surface Reg receptor that mediates a growth signal for  $\beta$ -cell regeneration (1).

#### PRODUCT SPECIFIC NOTICES

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