

DESCRIPTION

Species Reactivity	Mouse
Specificity	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
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Reg3B Glu27-Gly175 Accession # P35230
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
Immunohistochemistry	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

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

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.