

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat Reg3B in direct ELISAs and Western blots. In direct ELISAs, approximately 75% cross-reactivity with recombinant mouse (rm) Reg3B, and approximately 20% cross-reactivity with rmReg3G is observed, and less than 2% cross-reactivity with recombinant human (rh) Reg3A, rmReg1, rmReg2, rhReg4, rhReg1A, rmReg3A, and rmReg3D is observed. In Western blots, approximately 40% cross-reactivity with rmReg3B is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant rat Reg3B Glu27-Gly175 Accession # P25031
Formulation	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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Rat Reg3B

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Rat Reg3B, also named pancreatitis-associated protein 1, Regenerating islet-derived protein 3-beta and peptide 23, belongs to the Regenerating gene family (Reg), within the superfamily of C-type lectins. It has been classified as a member of the type III subclass of the Reg family. Rat Reg3B has anti-apoptotic effects on pancreatic acinar cells and is a novel motor and sensory neuron survival factor.