

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Reg3A in direct ELISAs and Western blots. In these formats, less than 1% cross-reactivity with recombinant human Reg1B and recombinant mouse Reg1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Reg3A (R&D Systems, Catalog # 3907-RG) Glu27-Gln175 Accession # O09037
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 Mouse Reg3A (Catalog # 3907-RG)

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

Regenerating islet-derived protein III alpha (Reg3A), also named Pancreatitis Associated-Protein 2 (PAP-2), is a secreted, 17 kDa member of the Reg family. These C-type lectin superfamily proteins are involved in various biological functions, including liver and pancreatic regeneration and proliferation. Reg3A is predominately expressed in intestine and exocrine pancreas. It is also induced in primary liver tumors but is not expressed in normal liver. Mature mouse Reg3A contains 149 amino acid residues and shares less than 60% aa sequence identity with other Reg3 proteins. The protein sequence of mouse Reg3A is 87% and 61% identical to that of rat and human Reg3A, respectively.