

DESCRIPTION

Species Reactivity	Mouse
Specificity	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
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Reg1 Gln22-Gly165 Accession # P43137
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

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 β -cell regeneration (1).

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