

DESCRIPTION

Species Reactivity	Mouse
Specificity	This antibody detects mouse Reg3D in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) Reg1A, 1B, recombinant mouse (rm) Reg1, 2, 3A, 3B, 3G, 4, or recombinant rat Reg3 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 518818
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Reg3D Glu27-Gly175
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.

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

Reg3D (regenerating islet-derived III delta), also called INGAPrP (islet neogenesis-associated protein-related protein) is an ~20 kDa member of the Reg family of secreted calcium-dependent C-type lectins. Reg proteins are involved in various biological functions, including acting as a survival/growth factors. Reg3D mRNA is expressed mainly in pancreatic islets and the digestive system. The mature 149 amino acid Reg3D shares ~50 - 70% amino acid sequence identity with other mammalian Reg3 proteins.

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