

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Reg3A in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) Reg3G, recombinant mouse (rm) Reg3A, rmReg3B and recombinant rat Reg2 is observed and less than 2%
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Reg3A Glu27-Asp175 Accession # Q06141
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

Reg3A (regenerating gene IIIα) is a secreted, 17 kDa, type III member of the Reg family, C-type lectin superfamily of proteins. It is expressed in intestine and exocrine pancreas, where it may have a protective effect against infection and TNF-α-induced stress. Mature mouse Reg3A is 149 amino acids (aa) in length (aa 27-175). It is essentially a soluble C-type lectin domain (aa 40-173). There are four type III genes (α-δ) in the mouse Reg family. Reg3A has less than 60% aa identity to β-δ. Mature mouse Reg3A is 87% and 61% aa identical to rat and human Reg3A, respectively.

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