

## Mouse Monoclonal Antibody to REG1A

**Catalogue Number** sAP-0293

**Target Molecule** **Name:** REG1A

**Aliases:** P19; PTP; PSP

**MW:** 19kDa

**Entrez Gene ID: 5967**

**Description** REG1A (regenerating islet-derived 1 alpha), also known as PTP, PSP, is a member of the Reg family of secreted proteins with a C-type lectin domain. REG1A is associated with islet cell regeneration and dia-betogenesis and may be involved in pancreatic lithogenesis. Due to variable glycosylation, pancreatic REG1A exists as multiple species of 16 - 18 kDa. REG1A promotes the maintenance and growth of pancreatic islet  $\beta$ -cells and intestinal villi. It is upregulated in pancreatitis and some carcinomas. REG1A is an antigenic target in autoimmune diabetes.

**Immunogen** Purified recombinant fragment of human REG1A fused with hIgGFc tag expressed in HEK293 cell line.

**Reactive Species** Human

**Clone** MM1A4;

**Size and Concentration** 100 $\mu$ g/1mg/ml

**Supplied as** Lyophilized Powder from 100 $\mu$ l of Ascitic fluid containing 0.03% sodium azide.

**Reconstitution/Storages** Reconstituted with 100 $\mu$ l sterile DI H<sub>2</sub>O, at stored at 4°C or -20°C for short or long term storage

**Applications** ELISA: 1 to 10000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000

**Shipping** Regular FEDEX overnight shipment (ambient temperature)

**Reference** 1. Pancreas. 2004 Jul;29(1):14-21. ; 2. Int J Cancer. 2008 Jul 15;123(2):409-13.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**