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Mouse Anti-Human PTP1-C Monoclonal Antibody Datasheet

Product Name: mAb anti-human PTP1-C

Clone No.: PTY6

Catalogue No.: MO-M40043A

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human protein tyrosine phosphatase 1 C (PTP1-C)

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human protein-tyrosine phosphatase 1 C

Immunogen: Purified recombinant protein corresponding to full-length PTP1-C

Fusion Myeloma: Sp2/0-Ag14

Specificity: This antibody recognizes single 67kDa PTP1-C in human cells that express the enzyme and the SH2(C) domain

Species Reactivity: Human

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS pH7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml.

Storage: Store at -20°C. Avoid repeated freeze and thaw cycles.

Research Area: Signal transduction

Background: The phosphorylation state of receptors and signal transduction molecules influences almost every cell activities. The phosphorylation rate is regulated by kinases which add phosphate group and by phosphatases which remove phosphate group from the amino acid residues on protein molecules. Protein tyrosine phosphatase 1 C (PTP1C) is a tyrosine phosphatase highly expressed in hematopoietic cells. PTP1C was found to co-precipitate with B lymphocyte-specific cell surface glycoprotein CD22, after anti-immunoglobulin stimulation. Study with PTP1C deficient mice showed that the phosphatase may implicate with negative selection in B cell immunity.

Applications: ELISA , Western Blot, Immunocytochemistry

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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