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## Mouse Anti-Human PTP1-C Monoclonal Antibody Datasheet

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|---|---|
| <b>Product Name:</b> mAb anti-human PTP1-C  | <b>Clone No.:</b> PTY13   |
| <b>Catalogue No.:</b> MO-M40043F  | <b>Quantity:</b> 0.5 mg/vial  |
| <b>Description:</b> Mouse monoclonal antibody to human protein tyrosine phosphatase 1 C (PTP1-C)                              | <b>Research Area:</b> Signal transduction   |
| <b>Purification:</b> Protein G affinity purified  | <b>Background:</b> 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. |
| <b>Product Type:</b> Primary antibody   |   |
| <b>Target Protein:</b> Human protein-tyrosine phosphatase 1 C   |   |
| <b>Immunogen:</b> Purified recombinant protein corresponding to full-length PTP1-C  |   |
| <b>Fusion Myeloma:</b> Sp2/0-Ag14   |   |
| <b>Specificity:</b> This antibody recognizes single 67kDa PTP1-C in human cells that express the enzyme and the SH2(C) domain |   |
| <b>Species Reactivity:</b> Human  |   |
| <b>Host / Isotype:</b> Mouse, IgG2b Kappa   | <b>Applications:</b> ELISA , Western Blot, Immunocytochemistry  |
| <b>Formulation:</b> Lyophilized from a solution in 0.01M PBS pH7.2  | <b>References:</b> 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.   |
| <b>Reconstitution:</b> Double distilled water is recommended to adjust the final concentration to 1.00 mg/mL.                 |   |
| <b>Storage:</b> Store at -20°C. Avoid repeated freeze and thaw cycles.  |   |

This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administered to human and animals for use in diagnostic and therapeutic procedures.

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