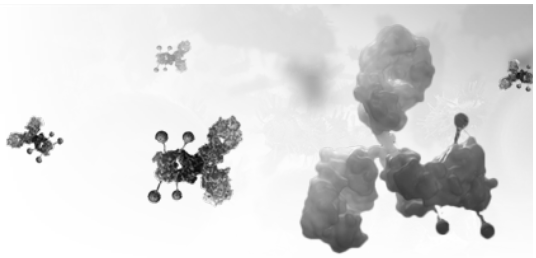

# Mouse Anti-PI(3)P monoclonal antibody, clone 42-23-0 (DMABB-JX103)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| **Specificity** | This antibody reacts primarily with the head group of the indicated phosphoinositide (of synthetic or natural origin), but has some crossreactivity with other phosphoinositides depending on the assay format.) |
| **Immunogen** | PI(3)P conjugated to KLH |
| **Isotype** | IgG2a |
| **Source/Host** | Mouse |
| **Species Reactivity** | N/A |
| **Clone** | 42-23-0 |
| **Purification** | Affinity purified |
| **Conjugate** | Unconjugated |
| **Applications** | ELISA, IF<br>Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. |
| **Format** | Purified, Liquid |
| **Concentration** | 1.0 mg/mL |
| **Size** | 10 µg, 50 µg, 250 µg |
| **Buffer** | PBS, pH 7.4 |

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| | |
|---|---|
| **Preservative** | None |
| **Storage** | Store at 4°C for short term. Store at -20 °C or below for long term. Avoid freeze/thaw cycles. |
| **Ship** | Wet ice |

# BACKGROUND

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| **Introduction** | Phosphoinositides (PIPns) are minor components of cellular membranes but are integral signaling molecules for cellular communication. Phosphatidylinositol 3-phosphate (PI(3)P) is enriched in early endosomes having roles in endosome fusion and receptor sorting and internalization in multivesicular bodies. PI(3)P has also been found at the plasma membrane and is involved in the translocation of the glucose transport protein GLUT4. |
| **Keywords** | Phosphoinositides; PI(3)P; Phosphoinositide; PIP; PIPn; PIPs |

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