



## Mouse Anti-PI(3,4,5)P3 monoclonal antibody, clone SD7G9 [FITC] (DMABB-JX87)

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

### PRODUCT INFORMATION

<b>Specificity</b>	Reacts primarily with the head group of the indicated phosphoinositide and demonstrates low cross-reactivity with other phosphoinositides or phospholipids depending on the assay format.
<b>Immunogen</b>	PtdIns(3,4,5)P3 conjugated to BSA
<b>Isotype</b>	IgM
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	N/A
<b>Clone</b>	SD7G9
<b>Purification</b>	Affinity purified
<b>Conjugate</b>	FITC
<b>Applications</b>	ELISA, IF/ICC 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.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	0.5-1.0 mg/mL
<b>Size</b>	10 µg, 50 µg, 250 µg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	None

**Storage** Store at -20 °C or -80°C for long term. Avoid freeze/thaw cycles.

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**Ship** Wet ice

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## BACKGROUND

**Introduction** PI(3,4,5)P<sub>3</sub> is generated by phosphorylation of PI(4,5)P<sub>2</sub> by PI3 kinases. Production of PI(3,4,5)P<sub>3</sub> at the plasma membrane is known to enhance association of PH-domain containing proteins which facilitates G-protein coupled receptor signaling cascades.

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**Keywords** Phosphatidylinositol; PIP<sub>3</sub>; PI(3,4,5)P<sub>3</sub>

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