



Mouse Anti-PI(4,5)P2 monoclonal antibody, clone 3D22 [FITC] (DMABB-JX88)

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

PRODUCT INFORMATION

Specificity	Reacts primarily with the head group of the PI(4,5)P2 phosphoinositide (of synthetic or natural origin), and demonstrates low cross-reactivity with other phosphoinositides or phospholipids depending on the assay format.
Immunogen	Synthetic PI(4,5)P2 in liposomes
Isotype	IgM
Source/Host	Mouse
Species Reactivity	N/A
Clone	SD7G9
Purification	Affinity purified
Conjugate	FITC
Applications	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.
Format	Purified, Liquid
Concentration	0.5-1.0 mg/mL
Size	10 µg, 50 µg, 250 µg
Buffer	PBS, pH 7.4

Preservative	None
Storage	Store at -20 °C or -80°C for long term. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	PI(4,5)P2 is a phospholipid that is enriched in the plasma membrane of cells. It is known to be a substrate of PLC as part of IP3/DAG signaling, and PI3-kinases in PIP3 signaling. It is also known to be involved as a regulatory element of membrane trafficking.
Keywords	Phosphatidylinositol; PIP2; PI(4,5)P2; Phosphatidylinositol biphosphate; Phosphatidylinositol diphosphate; PIP 2; Phosphatidylinositol 4, 5-biphosphate