



Mouse Anti-PI(3,4)P2 monoclonal antibody, clone Q145 (DMABB-JX101)

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

PRODUCT INFORMATION

Specificity	This antibody reacts primarily with the head group of the indicated phosphoinositide (of synthetic or natural origin), and demonstrates low cross-reactivity with other phosphoinositides or phospholipids depending on the assay format.
Immunogen	Synthetic PI(3,4)P2
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	N/A
Clone	Q145
Purification	Affinity purified
Conjugate	Unconjugated
Applications	ELISA, IF 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	50 µg, 250 µg
Buffer	PBS, pH 7.4

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

Introduction Phosphatidylinositol 3,4-bisphosphate (PI(3,4)P2) is produced in stimulated cells by the action of phosphatidylinositol 3-kinases (PI3Ks) and/or lipid phosphatases (SHIP, TPTE, etc.). PI(3,4)P2 binds the pleckstrin homology (PH)-domain of AKT/PKB leading to cell survival and it also has an important role in podosome formation near focal adhesions.

Keywords Phosphatidylinositol; PIP2; PI(3,4)P2; Phosphatidylinositol biphosphate; Phosphatidylinositol diphosphate; PIP 2;