

Mouse Monoclonal Antibody to PLCG2

Catalogue Number	sAP-1071
Target Molecule	Name: PLCG2 Aliases: FCAS3; APLAID; PLC-IV; PLC-gamma-2 MW: 148kDa Entrez Gene ID: 5336
Description	The protein encoded by this gene is a transmembrane signaling enzyme that catalyzes the conversion of 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate to 1D-myo-inositol 1,4,5-trisphosphate (IP3) and diacylglycerol (DAG) using calcium as a cofactor. IP3 and DAG are second messenger molecules important for transmitting signals from growth factor receptors and immune system receptors across the cell membrane. Mutations in this gene have been found in autoinflammation, antibody deficiency, and immune dysregulation syndrome and familial cold autoinflammatory syndrome 3.
Immunogen	Synthesized peptide of human PLCG2 (AA: phospho-Tyrosine 753 of human Phospholipase Cg2 (cERDINSLpYDVSRMYV)).
Recitative Species	Human;
Clone	MM3A8B6;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Mol Cell Biol. 2011 Mar;31(6):1240-51. ; 2. Am J Hum Genet. 2012 Oct 5;91(4):713-20.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**