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Quantity:	0.1 mg
Target:	INPP5D
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This INPP5D antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

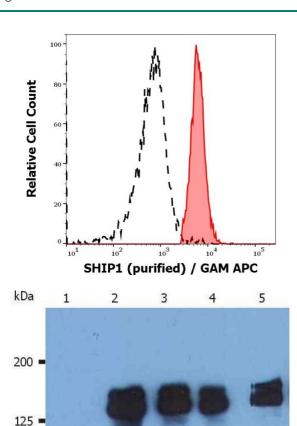
Product Details

Immunogen:	Peptide coresponding to a sequence within N-terminal domain of human SHIP-1.
Clone:	SHIP-01
Isotype:	lgG2a
Specificity:	The antibody SHIP-01 reacts with SHIP-1, a phosphoinositide phosphatase largely confined to hematopoietic cells (intracellular antigen). Multiple forms of SHIP-1 have been reported with molecular weights of 110, 125, 130, 135 and 145 kDa.
Cross-Reactivity (Details):	Human, Other not determined
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	INPP5D		
Alternative Name:	SHIP-1 (INPP5D Products)		
Background:	Inositol polyphosphate-5-phosphatase D,SHIP-1 (SH2 domain containing inositol phosphatase-		
	1) is a 5'inositol phosphatase that regulates cell responses in lymphocytes and myeloid cells by		
	hydrolyzing the second messenger PI(3,4,5) trisphosphate. SHIP-1 is recruited upon		
	engagement of both inhibitory and activatory receptors, such as FcgammaRIIB, Fcgamma RIII,		
	FcepsilonRI or cytokine and growth factor receptors, and supresses PI3K-dependent signaling,		
	down-regulates cell migration and invasion of transformed cells and phagocytosis. SHIP-1 also		
	serves as a scaffold for the recruitment of other proteins to the plasma membrane.,IPP5PD,		
	IP5PD, INPP5D		
Gene ID:	3635		
UniProt:	Q92835		
Pathways:	TCR Signaling, BCR Signaling, Warburg Effect		
Application Details			
Application Notes:	Flow cytometry: Intracellular staining, recommended dilution: 2-5 µg/mL, positive control:		
	human blood leukocytes.		
	Western blotting: Positive control: RAMOS human cell line, reducing conditions.		
Restrictions:	For Research Use only		
Handling			
Concentration:	1 mg/mL		
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		
	should be handled by trained staff only.		
Handling Advice:	Do not freeze.		
Storage:	4 °C		
Storage Comment:	Store at 2-8°C. Do not freeze.		

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Flow Cytometry

Image 1. Separation of MOLT-4 cells (red-filled) from CaCo-2 cells (black-dashed) in flow cytometry analysis (intracellular staining) of cellular suspensions of MOLT-4 and CaCo-2 cell lines stained using anti-SHIP1 (SHIP-01) purified antibody (concentration in sample 1 μ g/mL, GAM APC).

Western Blotting

Image 2. Western Blotting analysis (reducing conditions) of human SHIP-1 in whole cell lysate of THP-1 human acute monocytic leukemia cell line. Lane 1: immunostaining with Isotype mouse IgG1 control (PPV-04; 11-458-C100) Lane 2,3: immunostaining with anti-human SHIP-1 (SHIP-01) Lane 4,5: immunostaining with anti-human SHIP-1 (SHIP-02)