

### 30-1363: Anti-SHIP-1 Monoclonal Antibody (Clone:SHIP-02)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SHIP-02
<b>Application :</b>	ICC,FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	INPP5D
<b>Gene ID :</b>	3635
<b>Uniprot ID :</b>	Q92835
<b>Format :</b>	Purified
<b>Alternative Name :</b>	INPP5D,SHIP,SHIP1
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Peptide corresponding to a sequence within N-terminal domain of Human SHIP-1.

#### Description

SHIP-1 (SH2 domain containing inositol phosphatase-1) is a 5 $\hat{A}$ '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 Fc $\gamma$ RIIB, Fc $\gamma$ RIII, Fc $\epsilon$ RI or cytokine and growth factor receptors, and suppresses 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.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Western Blotting** *Positive control:* RAMOS human cell line

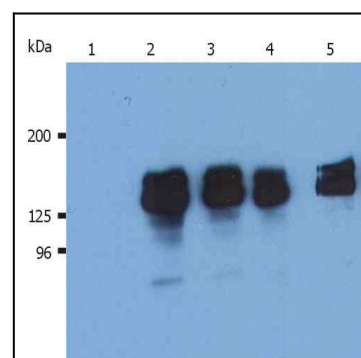


Figure 1: Western Blotting analysis (reducing conditions) of human SHIP-1 in whole cell lysate of THP-1 human acute monocytic leukemia cell line. Lane 1: immunostaining with Isotype mouse IgG1 control (PPV-04) . Lane 2,3: immunostaining with anti-human SHIP-1 (SHIP-01; ). Lane 4,5: immunostaining with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