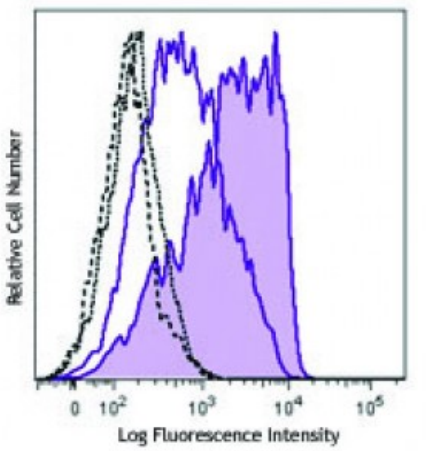
SONY

Product Data Sheet

Alexa Fluor® 647 anti-SHIP-1

Catalog # / Size:	3883035 / 25 µg 3883040 / 100 µg
Clone:	P1C1-A5
Isotype:	Mouse IgG1, κ
Immunogen:	Human SHIP fusion protein in CFA/IFA
Reactivity:	Human,Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5



C57BL/6 mouse bone marrow cells were stimulated with or without LPS for 48 hours, then fixed and permeabilized with Fixation Buffer (Cat. No. 420801) and Permeabilization Wash Buffer (Cat. No. 421002). Cells were then stained with SHIP-1 (clone P1C1-A5) A

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.
Application Notes:	Specific to human SHIP-1 and cross reactive with mouse SHIP-1.

Description:	SH2-containing inositol phosphatase 1 (SHIP1) is a hematopoietic phosphatase that hydrolyzes key signaling lipid PI(3,4,5)P(3) to PI(3,4)P(2). SHIP-1 is located in the cytoplasm and is recruited to the cell surface upon receptor ligation. It plays critical roles in hematopoietic cell proliferation, activation, differentiation, and survival by regulating PI3K and Akt pathways. Aberrant regulation of PI3K signaling can induce autoimmune diseases and cancer formation.
Antigen References:	1. Condé C, *et al.* 2011. *Biochem. Pharmacol.* 82:1320. 2. Parry RV, *et al.* 2010. *Biochim Biophys Acta.* 1804:592. 3. Ghansah T, *et al.* 2012. *Oncoimmunology.* 1:984. 4. Banh C,