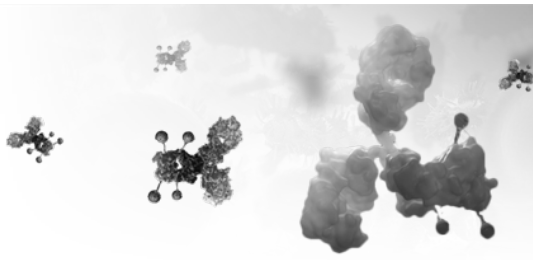

Mouse anti-Mouse SHIP-1 monoclonal antibody, clone 43/TIJQ-2 [PE-CF594] (CABT-B9320)

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

PRODUCT INFORMATION

Immunogen	Mouse p150 [SHIP] aa. 16-135
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Mouse, Rat
Clone	43/TIJQ-2
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	PE/CF594
Applications	FC
Format	Liquid
Concentration	0.2 mg/ml
Size	50 µg
Buffer	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.
Storage	Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

BACKGROUND

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Introduction	The 43/TIJQ-2 monoclonal antibody specifically recognizes the cytosolic lipid phosphatase, SH2 domain-containing inositol phosphatase 1 (SHIP-1), which is also known as Inpp5d. SHIP-1 is expressed in cells of the hematopoietic lineage. Cells can phosphorylate and activate SHIP-1 in response to a variety of cytokines or triggering through B or T cell antigen receptors. Activated SHIP-1 hydrolyzes phosphatidylinositol-3, 4, 5-triphosphate to phosphatidylinositol-3, 4-bisphosphate. This ultimately blocks the recruitment of PH-domain containing effector proteins, such as Btk and Akt, and can prevent cellular activation.
Keywords	INPP5D; inositol polyphosphate-5-phosphatase, 145kDa; SHIP; SHIP1; SHIP-1; hp51CN; SIP-145; p150Ship; phosphatidylinositol 3, 4, 5-trisphosphate 5-phosphatase 1; inositol polyphosphate-5-phosphatase, 145kD; SH2 domain-containing inositol 5-phosphatase 1; signaling inositol polyphosphate phosphatase SHIP II; signaling inositol polyphosphate 5 phosphatase SIP-145;

GENE INFORMATION

Entrez Gene ID	3635
UniProt ID	Q92835

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221