

12-4111: Phospho-Ship2 (Tyr1135) (Clone: 1D2) rabbit mAb

Clonality :	Monoclonal
Clone Name :	Ship2Y1135-1D2
Application :	FACS
Reactivity :	Human, Mouse
Conjugate :	Unconjugated
Format :	Purified
Alternative Name :	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2, Inositol polyphosphate phosphatase-like protein 1, INPPL-1, Protein 51C, SH2 domain-containing inositol 5'-phosphatase 2
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic phospho-peptide corresponding to residues surrounding Tyr1135 of human phospho Ship2

Description

Ship2 (SH2-containing inositol phosphatase 2, phospho Ship2) is a homolog of Ship1. Ship2 is highly expressed in the heart, in skeletal muscle, and in the placenta (1). SHIP2 negatively regulates insulin signaling (2), and Ship2 polymorphisms have been linked to hyperglycemia (3). Phospho Ship2 has been identified as a potential therapeutic target for the treatment of obesity and type 2 diabetes (4,5). The Ship2 residue Tyr1135 is phosphorylated in human cancer cells (6-8).

Product Info

Amount :	20 μ l / 200 μ l
Content :	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% BSA
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

1 μ g/mL - 0.001 μ g/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.(0.5mg/ml)

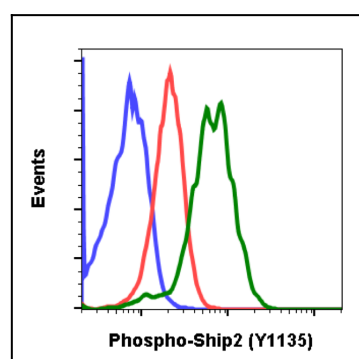


Fig-1: Flow cytometric analysis of U937 cells secondary antibody only negative control (blue) or untreated (red) or treated with IFN α IL-4 and pervanadate (green) using Phospho-Ship2 (Tyr1135) antibody Ship2Y1135-1D2 at 0.5 μ g/mL.

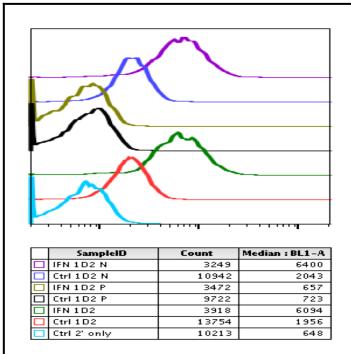


Fig 2 : Peptide blocking flow cytometric analysis of U937 cells secondary antibody only negative control (light blue) or untreated (red) or treated with IFN α IL-4 and pervanadate (green) or untreated and blocked with phospho-peptide (black) or treated and blocked with phospho peptide (gold) or untreated and blocked with non-phospho peptide (dark blue) or treated and blocked with non-phospho peptide (purple) using Phospho-Ship2 (Tyr1135) antibody Ship2Y1135-1D2 at 0.5 μ g/mL.

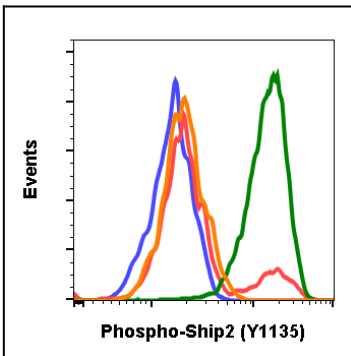


Fig-3: Flow cytometric analysis of C2C12 cells secondary antibody only negative control (blue) or 1 μ g/mL of isotype control (orange) or untreated (red) or treated with staurosporine (green) using Phospho-Ship2 (Tyr1135) antibody Ship2Y1135-1D2 at 1 μ g/mL.