

Product Datasheet

SHIP Antibody (SHIP-01) - BSA Free NB110-81538

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB110-81538

SHIP Antibody (SHIP-01) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	SHIP-01
Preservative	0.9% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	145 kDa

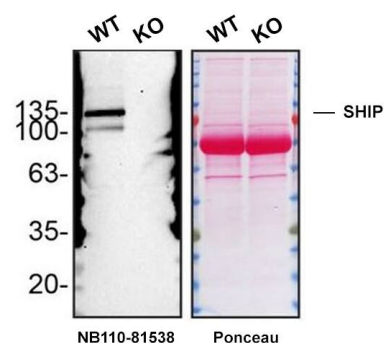
Product Description	
Host	Mouse
Gene ID	3635
Gene Symbol	INPP5D
Species	Human
Specificity/Sensitivity	The SHIP-01 reacts with SHIP-1, a phosphoinositide phosphatase largely confined to hematopoietic cells. Multiple forms of SHIP-1 have been reported with molecular weights of 110, 125, 130, 135 and 145 kDa.
Immunogen	Peptide corresponding to a sequence within N-terminal domain of Human SHIP-1.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry, Flow (Intracellular) 2-5 ug/ml, CyTOF-ready
Application Notes	Western Blotting - Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with reducing Laemmli SDS-PAGE sample buffer. Boil for 6 min. Application note: Reducing conditions. This antibody is CyTOF ready.

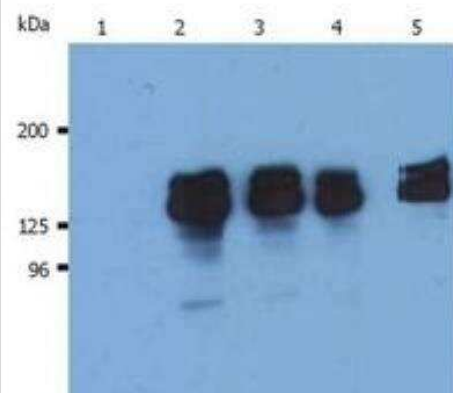


Images

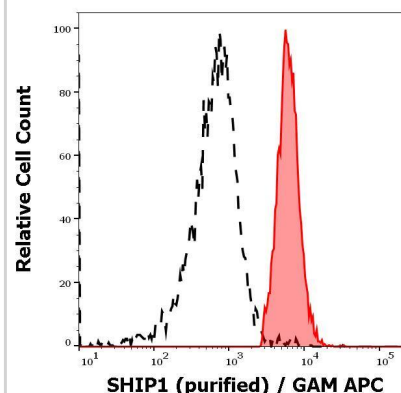
Western blot shows lysates of iPSC-derived microglia and SHIP knockout iPSC-derived microglia (KO). Nitrocellulose membrane was probed with SHIP Antibody (SHIP-01) - BSA Free (Catalog # NB110-81538) followed by HRP-conjugated goat anti-mouse IgG Secondary Antibody. A specific band was detected for SHIP at approximately 135 kDa (as indicated) in the parental iPSC-derived microglia cell line, but is not detectable in knockout iPSC-derived microglia cell line. Primary antibody dilution used: 1/1000. The Ponceau stained transfer of the blot is shown. This experiment was conducted under reducing conditions. Image, protocol, and testing courtesy of YCharOS Inc. See ycharos.com for additional details.



Western Blot: SHIP Antibody (SHIP-01) [NB110-81538] - 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 Lane 2,3: immunostaining with anti-human SHIP-1 (SHIP-01) Lane 4,5: immunostaining with anti-human SHIP-1 (SHIP-02).



Flow Cytometry: Mouse Monoclonal SHIP Antibody (SHIP-01) [NB110-81538] - 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-SHIP (SHIP-01) purified antibody (concentration in sample 1 ug/ml, GAM APC).





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Products Related to NB110-81538

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP2-49633PEP	SHIP Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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