Data Sheet (Cat.No.TMAC-03740)

Anti-INPP5D Antibody (9H177)

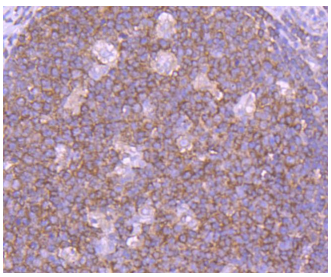
Product Details

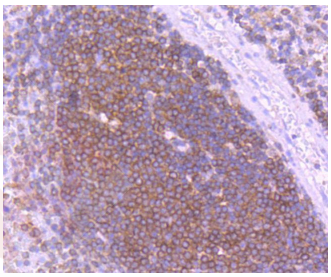
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 133/109 kDa.
Clone:	9H177
Purification:	ProA affinity purified

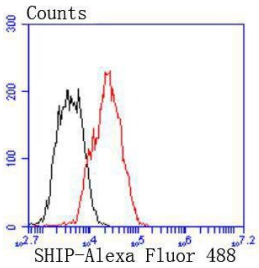
Applications

Verified Activity:

1. Western blot analysis of SHIP on different lysates using anti-SHIP antibody at 1/1,000 dilution. Positive control: Lane 1: Daudi, Lane 2: THP-1.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SHIP antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-SHIP antibody. Counter stained with hematoxylin.
4. Flow cytometric analysis of Raji cells with SHIP antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.







Application: FCM,IHC,IP,WB

Recommended: WB: 1:1000; IHC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q92835

Synonyms: SHIP1;SHIP;hp51CN;SIP-145;p150Ship;EC 3.1.3.86;Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1;SH2 domain-containing inositol phosphatase 1;Inositol polyphosphate-5-phosphatase of 145 kDa;SHIP-1;SH2 domain-containing inositol 5'-phosphatase 1

Research Background

The major translational product of the v-Fms oncogene, originally isolated from the McDonough strain of feline sarcoma virus, has been identified as a glycoprotein with intrinsic tyrosine kinase activity. The v-Fms human cellular homolog, c-Fms, has been molecularly cloned and mapped to band q34 on chromosome 5, and identified as the receptor for hematopoietic ligand, CSF-1. Ligand-induced activation of the intrinsic CSF-1R protein tyrosine kinase triggers its interaction with cytoplasmic effector molecules. One such effector molecule, SHIP-1 p145 (SH2-containing-inositol phosphatase), associates with activated Fms. SHIP-1 contains two phosphotyrosine-binding domains (PTB), a unique amino terminal SH2 domain, a proline-rich region, and two highly conserved motifs found among inositol phosphate 5-phosphatases. SHIP-1 displays both phosphatidylinositol 3,4,5-triphosphate and inositol 1,3,4,5-tetrakisphosphate polyphosphate 5-phosphatase activity. Evidence suggests that SHIP-1 may modulate Ras signaling in addition to inositol signaling pathways.

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