

# Flotillin 1 Monoclonal antibody

Catalog Number: 67968-1-Ig

## Basic Information

**Catalog Number:**

67968-1-Ig

**Size:**

1000 ug/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG8694

**GenBank Accession Number:**

BC001146

**GeneID (NCBI):**

10211

**UNIPROT ID:**

O75955

**Full Name:**

flotillin 1

**Calculated MW:**

47 kDa

**Observed MW:**

47 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1D6C6

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, FC (Intra), ELISA

**Species Specificity:**

human, mouse, rat, pig, rabbit

**Positive Controls:**

**WB :** LNCaP cells, Raji cells, Jurkat cells, MOLT-4 cells, human peripheral blood platelets, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

## Background Information

Flotillins are membrane-associated proteins that contain two homologous isoforms, flotillin 1 (FLOT1) and flotillin 2 (FLOT2). They are highly conserved and widely expressed proteins that commonly used as markers of lipid rafts. Flotillins are involved in various signaling pathways, cell adhesion, membrane trafficking and axonal growth.

## Storage

**Storage:**

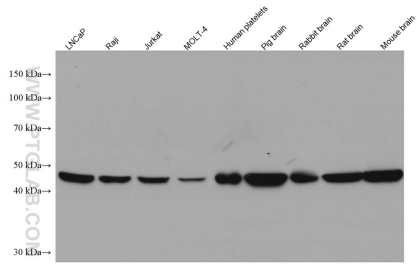
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

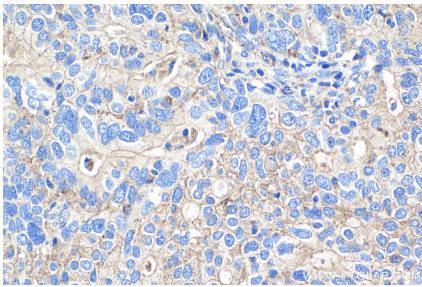
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

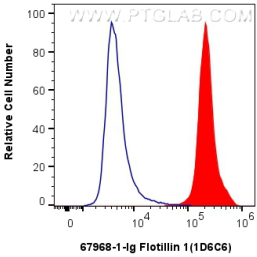
Selected Validation Data



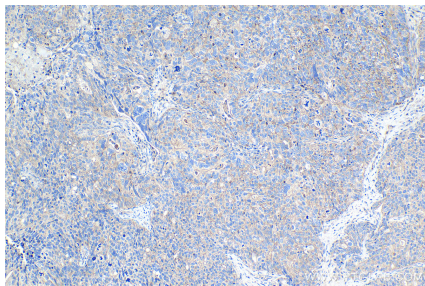
Various lysates were subjected to SDS PAGE followed by western blot with 67968-1-Ig (Flotillin 1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 67968-1-Ig (Flotillin 1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10<sup>6</sup> Raji cells were intracellularly stained with 0.2 ug Flotillin 1 Monoclonal antibody (67968-1-Ig, Clone:1D6C6) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.2 ug Mouse IgG2b isotype control Mouse McAb (66360-3-Ig, Clone: 11B8C4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 67968-1-Ig (Flotillin 1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).