

# CoraLite® Plus 647-conjugated Drebrin Monoclonal antibody

Catalog Number: **CL647-67589**

## Basic Information

**Catalog Number:**

CL647-67589

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG22635

**GenBank Accession Number:**

BC007567

**GeneID (NCBI):**

1627

**ENSEMBL Gene ID:**

ENSG00000113758

**UNIPROT ID:**

Q16643

**Full Name:**

drebrin 1

**Observed MW:**

110-120 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1A12H1

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

654 nm / 674 nm

## Applications

**Tested Applications:**

IF/ICC, FC (Intra)

**Species Specificity:**

Human, mouse, rat, pig

**Positive Controls:**

IF/ICC : SH-SY5Y cells,

## Background Information

Drebrin (DBN1) is an actin binding and stabilizing protein with roles in endocytosis, formation of dendrite spines in neurons and coordinating cell-cell synapses in immune cells. Preferentially expressed in the brain, it is highly localized in dendritic spines and regulates spine shapes. It has two isoforms that are splice variants, with drebrin A being expressed in neural cells, and drebrin E is present in several other cell types. Recently it has been reported that circulating DBN1 levels correlated with retinal nerve fiber layer defect and may reflect the severity of retinal ganglion cells injury in glaucoma patients.

## Storage

**Storage:**

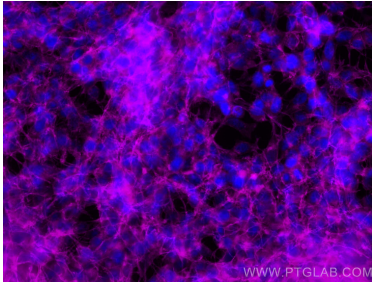
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

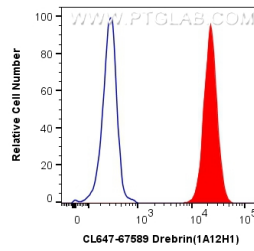
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 647 Drebrin antibody (CL647-67589, Clone: 1A12H1 ) at dilution of 1:200.



1X10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human Drebrin (CL647-67589, Clone:1A12H1) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).