

# CoraLite®594-conjugated SNX5 Monoclonal antibody

Catalog Number: **CL594-67665**

## Basic Information

**Catalog Number:**

CL594-67665

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG12330

**GenBank Accession Number:**

BC093623

**GeneID (NCBI):**

27131

**UNIPROT ID:**

Q9Y5X3

**Full Name:**

sorting nexin 5

**Calculated MW:**

404 aa, 47 kDa

**Observed MW:**

47 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2F8A4

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC, FC (Intra)

**Species Specificity:**

Human, Mouse, Rat

**Positive Controls:**

IF/ICC : HeLa cells,

## Background Information

Sorting nexins are a diverse group of cytoplasmic and membrane-associated proteins that are classified by the presence of a phospholipid-binding motif-the PX domain (PMID:12461558). They are involved in endocytosis and protein trafficking. SNX5 (Sorting nexin-5) was originally identified as a putative FANCA-binding protein (PMID: 10600472). SNX5 has a phox homology (PX) domain in the N-terminus. It is involved in several stages of intracellular trafficking. SNX5 is a component of the mammalian retromer complex, which is involved in recycling proteins from endosomes to the trans-Golgi network or plasma membrane (PMID: 17148574; 26199408).

## Storage

**Storage:**

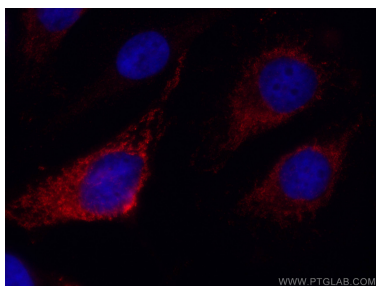
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

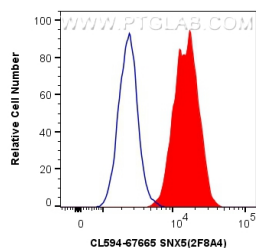
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®594-conjugated SNX5 antibody (CL594-67665, Clone: 2F8A4) at dilution of 1:100.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human SNX5 (CL594-67665, Clone:2F8A4) (red), or 0.4 ug CoraLite®594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).