

# CoraLite®594-conjugated SMARCA4 Monoclonal antibody

Catalog Number: CL594-66561

## Basic Information

**Catalog Number:**

CL594-66561

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG16256

**GenBank Accession Number:**

BC150298

**GeneID (NCBI):**

6597

**UNIPROT ID:**

P51532

**Full Name:**SWI/SNF related, matrix associated,  
actin dependent regulator of  
chromatin, subfamily a, member 4**Calculated MW:**

1647 aa, 185 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2E6B6

**Recommended Dilutions:**

IF 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

FC (Intra), IF/ICC

**Species Specificity:**

Human

**Positive Controls:**

IF : HepG2 cells,

## Background Information

SMARCA4, also named as BAF190A, BRG1, SNF2B and SNF2L4, belongs to the SNF2/RAD54 helicase family. SMARCA4 is a transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. It is a component of the CREST-BRG1 complex, a multiprotein complex that regulates promoter activation by orchestrating a calcium-dependent release of a repressor complex and a recruitment of an activator complex. It is also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. And this antibody is CL594(Ex/Em 593 nm/614 nm) conjugated.

## Storage

**Storage:**

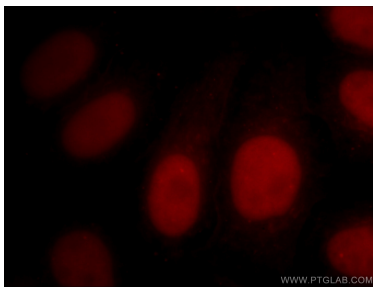
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

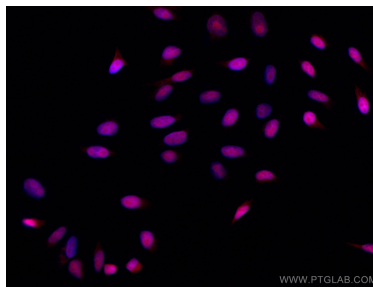
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

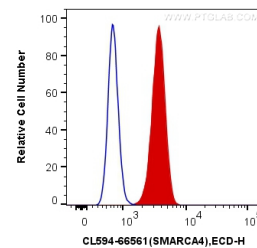
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL594-66561 (SMARCA4 antibody) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 SMARCA4 antibody (CL594-66561, Clone: 2E6B6) at dilution of 1:200. DAPI (blue).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug CoraLite®594 Anti-Human SMARCA4 (CL594-66561, Clone:2E6B6) (red), or 0.2 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).