

# CoraLite®594-conjugated CSK Monoclonal antibody

Catalog Number: CL594-66115

## Basic Information

**Catalog Number:**

CL594-66115

**Size:**

1000 ug/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG12103

**GenBank Accession Number:**

BC106073

**GeneID (NCBI):**

1445

**UNIPROT ID:**

P41240

**Full Name:**

c-src tyrosine kinase

**Calculated MW:**

450 aa, 50 kDa

**Observed MW:**

50 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3B12C5

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse

**Positive Controls:**

IF/ICC : HeLa cells,

## Background Information

CSK(Tyrosine-protein kinase CSK) is also named as C-Src kinase, protein-tyrosine kinase CYL and belongs to the protein kinase superfamily. Csk is a non-receptor tyrosine kinase with a molecular mass of 50 kDa. It contains the SH3 and SH2 domains in its N-terminus and a kinase domain in its C-terminus. It negatively regulates the kinase activity of SFKs and plays an important role in physiological functions via signaling pathways for cell proliferation, differentiation, adhesion, and migration(PMID:23548896). Csk may play a role in tumor suppression by inhibiting the oncogenic activity of SFKs. Indeed, overexpression of Csk can inhibit tumor growth of human colon cancer cells(PMID:23139636). This protein can be autophosphorylated(PMID:11181701).

## Storage

**Storage:**

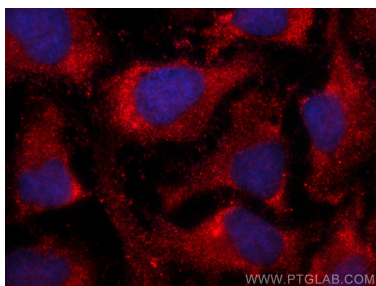
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**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 HeLa cells using CoraLite@594 CSK antibody  
(CL594-66115, Clone: 3B12C5 ) at dilution of 1:200.