

CoraLite®594-conjugated CES1 Monoclonal antibody

Catalog Number: **CL594-67079**

Basic Information

Catalog Number:

CL594-67079

Size:

890 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10647

GenBank Accession Number:

BC012418

GeneID (NCBI):

1066

UNIPROT ID:

P23141

Full Name:carboxylesterase 1
(monocyte/macrophage serine
esterase 1)**Calculated MW:**

566 aa, 62 kDa

Observed MW:

60-63 kDa

Purification Method:

Protein G purification

CloneNo.:

1C11C1

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

CES1(liver carboxylesterase 1) is also named as CES2, SES1 and belongs to the type-B carboxylesterase/lipase family. The deduced 567-amino acid protein contains a putative 18-amino acid signal peptide and a characteristic C-terminal endoplasmic reticulum retention signal (HXEL). It is the major hydrolytic enzyme responsible for the metabolism of numerous therapeutic agents as well as endogenous substrates. Western blot analysis demonstrated that CES1 is expressed in human liver microsomes (HLM) but not in human intestinal microsomes (HIM) (PMID:19185566).

Storage

Storage:

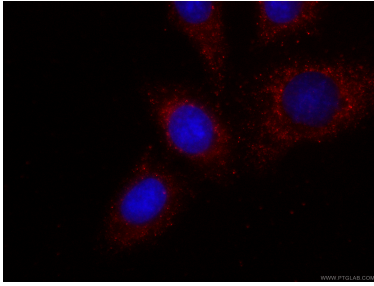
Store at -20°C. Avoid exposure to light.

Storage Buffer:

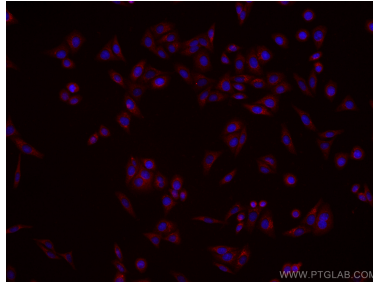
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-67079 (CES1 antibody) at dilution of 1:100.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® 594-conjugated CES1 antibody (CL594-67079, Clone: 1C11C1) at dilution of 1:100.