

For Research Use Only

# CoraLite®594-conjugated Cyclophilin A Monoclonal antibody

Catalog Number: CL594-67880



## Basic Information

Catalog Number:

CL594-67880

Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1120

GenBank Accession Number:

BC005320

GeneID (NCBI):

5478

UNIPROT ID:

P62937

Full Name:

peptidylprolyl isomerase A  
(cyclophilin A)

Calculated MW:

18 kDa

Observed MW:

18 kDa

Purification Method:

Protein G purification

CloneNo.:

2B11B9

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

Positive Controls:

IF/ICC : HeLa cells,

## Background Information

Cyclophilin A, also named as PPIA and Rotamase A, belongs to the cyclophilin-type PPIase family and PPIase A subfamily. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIA forms a trimolecular complex with cyclophilin and calcineurins to inhibit calcineurin phosphatase activity. PPIA is incorporated into the virion of the type 1 human immunodeficiency virus (HIV-1) via a direct interaction with the capsid domain of the viral Gag polyprotein and is crucial for efficient viral replication.

## 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

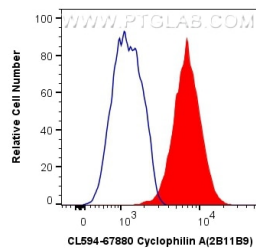
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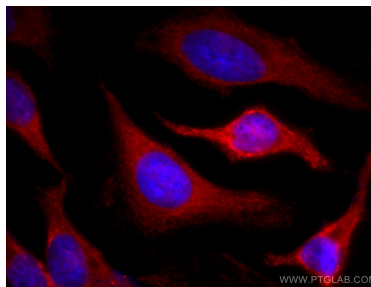
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## Selected Validation Data



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4  $\mu$ g CoraLite®594 Anti-Human Cyclophilin A (CL594-67880, Clone:2B11B9) (red), or 0.4  $\mu$ g CoraLite®594 Mouse IgG1 Isotype Control (MOPC-21) (CL594-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®594 Cyclophilin A antibody (CL594-67880, Clone: 2B11B9) at dilution of 1:200.