

For Research Use Only

# CoraLite®594-conjugated CDC25B Monoclonal antibody

Catalog Number:CL594-67145



## Basic Information

Catalog Number:

CL594-67145

Size:

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

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG27193

GenBank Accession Number:

BC006395

GeneID (NCBI):

994

UNIPROT ID:

P30305

Full Name:

cell division cycle 25 homolog B (S. pombe)

Calculated MW:

65 kDa

Observed MW:

69 kDa

Purification Method:

Protein A purification

CloneNo.:

1H3A4

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : Jurkat cells,

FC (Intra) : Jurkat cells,

## Background Information

CDC25B, also named as CDC25HU2, belongs to the MPI phosphatase family. It is a tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. CDC25B directly dephosphorylates CDK1 and stimulates its kinase activity. The three isoforms seem to have a different level of activity.

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

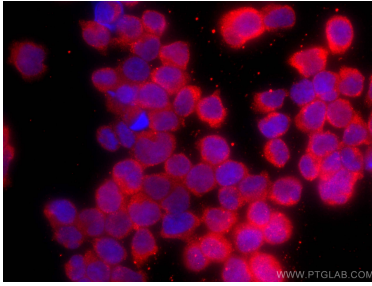
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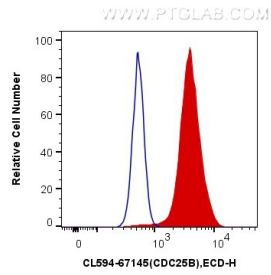
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite®594 CDC25B antibody (CL594-67145, Clone: 1H3A4) at dilution of 1:200.



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human CDC25B (CL594-67145, Clone:1H3A4) (red), or 0.4 ug x. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).