

For Research Use Only

# CoraLite®594-conjugated CDC25B Monoclonal antibody



Catalog Number:CL594-67145

## Basic Information

<b>Catalog Number:</b> CL594-67145	<b>GenBank Accession Number:</b> BC006395	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 994	<b>CloneNo.:</b> 1H3A4
<b>Source:</b> Mouse	<b>Full Name:</b> cell division cycle 25 homolog B (S. pombe)	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 65 kDa	
<b>Immunogen Catalog Number:</b> AG27193	<b>Observed MW:</b> 69 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Human, Mouse, rat

## 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, pH 7.3.

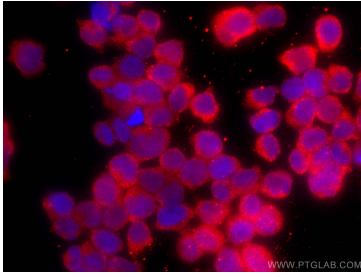
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

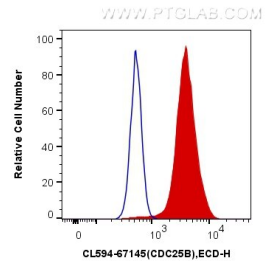
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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).