

For Research Use Only

# CoraLite®594-conjugated ZEB1 Monoclonal antibody

Catalog Number:CL594-66279



## Basic Information

<b>Catalog Number:</b> CL594-66279	<b>GenBank Accession Number:</b> BC112392	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6935	<b>CloneNo.:</b> 1H1F1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P37275	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> zinc finger E-box binding homeobox 1	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG17118	<b>Calculated MW:</b> 1125 aa, 124 kDa	
	<b>Observed MW:</b> 190-200 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HEK-293 cells, U2OS cells
<b>Species Specificity:</b> human	

## Background Information

ZEB1(zinc-finger-enhancer binding protein 1), which is a members of the Zincfinger-Homeobox (ZFH)-family of repressors, acts as a transcriptional repressor that inhibits interleukin-2 (IL-2) gene expression. Depending on the quantity of cDNA and on the cell type, ZEB1 can enhance or repress the promoter activity of the ATP1A1 gene . Represses E-cadherin promoter and induces an epithelial-mesenchymal transition (EMT) by recruiting SMARCA4/BRG1. Represses BCL6 transcription in the presence of the corepressor CTBP1. Positively regulates neuronal differentiation. The calculated molecular weight of ZEB1 is 124 kDa, but the post phosphorylation of protein is about 190-210 kDa.

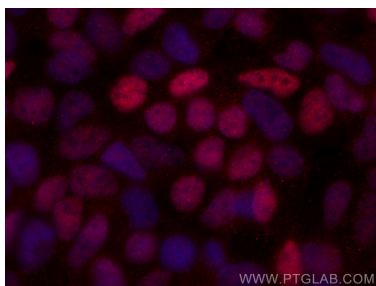
## Storage

**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

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)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using Coralite®594 ZEB1 antibody (CL594-66279, Clone: 1H1F1 ) at dilution of 1:200.