

For Research Use Only

# CoraLux Violet 510-conjugated GATA2 Monoclonal antibody

Catalog Number: CLV510-67722



## Basic Information

<b>Catalog Number:</b> CLV510-67722	<b>GenBank Accession Number:</b> BC018988	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2624	<b>CloneNo.:</b> 2B5A1
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000179348	<b>Recommended Dilutions:</b> FC (Intra): 0.8 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> P23769	<b>Excitation/Emission maxima wavelengths:</b> 408 nm / 496 nm
<b>Immunogen Catalog Number:</b> AG1557	<b>Full Name:</b> GATA binding protein 2	
	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra)	<b>Positive Controls:</b> FC (Intra) : K-562 cells,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

GATA2 is a member of GATA family of transcription factors that contains zinc fingers in DNA binding domain. GATA2 acts as a transcriptional activator that regulates endothelin-1 expression in endothelial cells. Together with GATA3, GATA2 regulates adipocyte differentiation through molecular control of the preadipocyte-adipocyte transition. It also affect the activity of Rho inhibitor p190RhoGAP that controls capillary network formation in vitro and retinal angiogenesis in vivo.

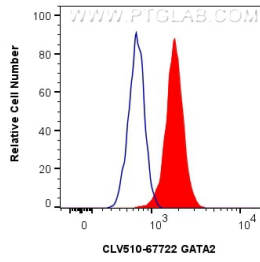
## Storage

**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)  
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



1x10<sup>6</sup> K-562 cells were intracellularly stained with 0.8 ug CoraLux Violet 510-conjugated GATA2 Monoclonal antibody (CLV510-67722, Clone:2B5A1)(red), or 0.8 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).