

For Research Use Only

# CoraLite®594-conjugated GATA3 Monoclonal antibody

Catalog Number: CL594-66400



## Basic Information

<b>Catalog Number:</b> CL594-66400	<b>GenBank Accession Number:</b> BC003070	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2625	<b>CloneNo.:</b> 1B11A8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P23771	<b>Recommended Dilutions:</b> IF-P 1:50-1:500 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>Full Name:</b> GATA binding protein 3	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG0174	<b>Calculated MW:</b> 443 aa, 48 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IF-P	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	IF-P : human breast cancer tissue, IF/ICC : MCF-7 cells,

## Background Information

GATA3 is a transcriptional factor that binds to the enhancer elements of all 4 T-cell antigen receptor genes. GATA3 is highly expressed in naive, freshly activated cells and Th2 lineage cells and thought to be necessary and sufficient for Th2 cytokine gene expression. GATA3 and TBET interfere with each other to regulate gene expression. This antibody is CL594(Ex/Em 593 nm/614 nm) conjugated.

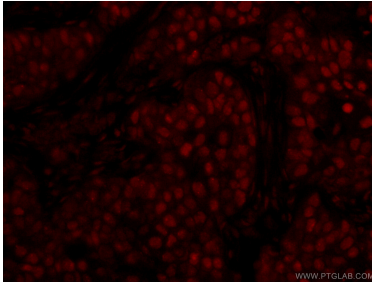
## Storage

**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

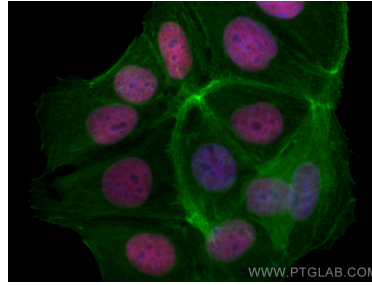
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

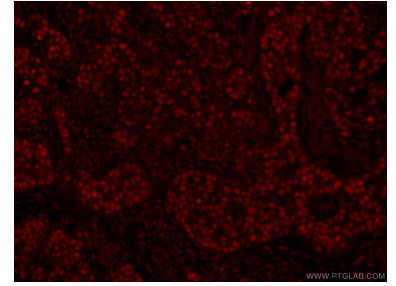
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CL594-66400 (GATA3 antibody) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® 594 GATA3 antibody (CL594-66400, Clone: 1B11A8) at dilution of 1:800, CL488-Phalloidin (green).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CL594-66400 (GATA3 antibody) at dilution of 1:50.