

For Research Use Only

# CoraLite® Plus 488-conjugated GATA3 Monoclonal antibody

Catalog Number: CL488-66400



## Basic Information

<b>Catalog Number:</b> CL488-66400	<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/ICC 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>Full Name:</b> GATA binding protein 3	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG0174	<b>Calculated MW:</b> 443 aa, 48 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : MCF-7 cells,
<b>Species Specificity:</b> human	

## 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 conjugated with CL488, Ex/Em 488 nm/515 nm.

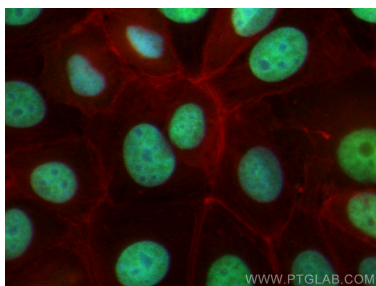
## Storage

**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**

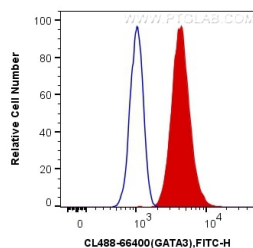
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 GATA3 antibody (CL488-66400, Clone: 1B11A8) at dilution of 1:800, CL594-Phalloidin (red).



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human GATA3 (CL488-66400, Clone:1B11A8) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).