

For Research Use Only

CoraLite® Plus 488-conjugated GATA3 Monoclonal antibody

Catalog Number: CL488-66400



Basic Information

Catalog Number:

CL488-66400

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG0174

GenBank Accession Number:

BC003070

GeneID (NCBI):

2625

UNIPROT ID:

P23771

Full Name:

GATA binding protein 3

Calculated MW:

443 aa, 48 kDa

Purification Method:

Protein A purification

CloneNo.:

1B11A8

Recommended Dilutions:

IF/ICC: 1:400-1:1600

FC (Intra): 0.40 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : MCF-7 cells,

FC (Intra) : Jurkat 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 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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

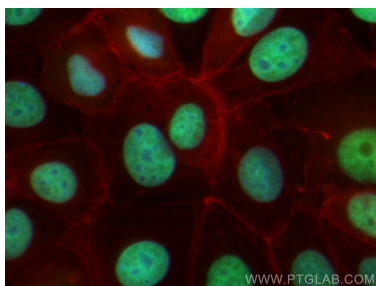
T: 4006900926

E: Proteintech-CN@ptglab.com

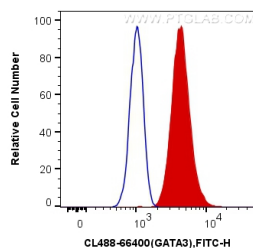
W: ptgcn.com

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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).



1X10⁶ 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).