

For Research Use Only

# CoraLite® Plus 488-conjugated CBFB Monoclonal antibody

Catalog Number: CL488-67885



## Basic Information

<b>Catalog Number:</b> CL488-67885	<b>GenBank Accession Number:</b> BC018509	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 865	<b>CloneNo.:</b> 1D7F2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13951	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Full Name:</b> core-binding factor, beta subunit	
<b>Immunogen Catalog Number:</b> AG31183	<b>Calculated MW:</b> 182 aa, 22 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human

## Background Information

CBFB (core binding factor subunit  $\beta$ ), forms the heterodimeric complex core-binding factor (CBF). As a critical transcription factor, CBFB is frequently mutated in breast cancer and considered to be of significance in the pathogenesis of cancer.(PMID: 29932212) The heterodimers bind to the core site of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL3 and GM-CSF promoters.) It has calculated molecular weight around 22kDa.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

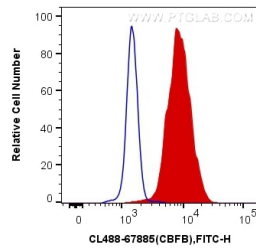
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> K-562 cells were intracellularly stained with 0.4 µg CoraLite® Plus 488 Anti-Human CBFB (CL488-67885, Clone:1D7F2) (red), or 0.4 µg Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).