

For Research Use Only

# CoraLite® Plus 488-conjugated FCGR2A / CD32a Monoclonal antibody

Catalog Number: CL488-66529



## Basic Information

<b>Catalog Number:</b> CL488-66529	<b>GenBank Accession Number:</b> BC020823	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2212	<b>CloneNo.:</b> 1D3F1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P12318	<b>Recommended Dilutions:</b> IF-P 1:50-1:500 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> Fc fragment of IgG, low affinity IIa, receptor (CD32)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG25878	<b>Calculated MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IF-P	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>IF-P :</b> human tonsillitis tissue, <b>IF/ICC :</b> THP-1 cells, human tonsillitis tissue

## Background Information

IgG Fc receptors (FcγRs) play important roles in immune responses. Low affinity IgG Fc receptor Fc gamma RIla (FCGR2A, CD32a) is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. This antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

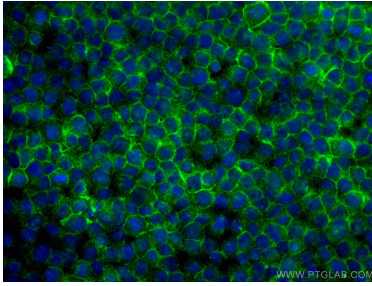
## Storage

**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 THP-1 cells using CoraLite® Plus 488 FCGR2A / CD32a antibody (CL488-66529, Clone: 1D3F1 ) at dilution of 1:50.