

For Research Use Only

# CoraLite® Plus 488-conjugated CD300a Recombinant antibody

Catalog Number: CL488-84674-4



## Basic Information

<b>Catalog Number:</b> CL488-84674-4	<b>GenBank Accession Number:</b> NM_007261.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11314	<b>CloneNo.:</b> 242131H5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UGN4-1	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> CD300a molecule	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> EG2652	<b>Calculated MW:</b> 33 kDa	
	<b>Observed MW:</b> 40-70 kDa	

## Applications

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

## Background Information

Human CD300a is a transmembrane protein, with an immunoglobulin (Ig)V-like extracellular domain and a cytoplasmic tail containing immunoreceptor tyrosine-based inhibitory motifs (ITIMs), providing the receptor with an inhibitory capacity. The relevance of the CD300a molecule in several pathological conditions has been highlighted by multiple studies. (PMID: 37762055)

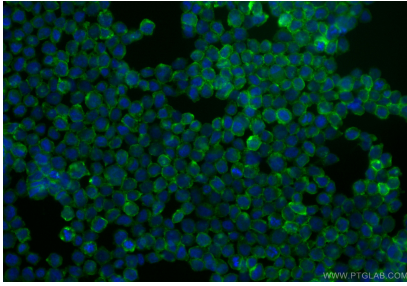
## Storage

**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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CoraLite® Plus 488 CD300a antibody (CL488-84674-4, Clone: 242131H5 ) at dilution of 1:200.