

For Research Use Only

# CoraLite® Plus 555 Anti-Human CD81 (5A6) Mouse IgG2a Recombinant Antibody

Catalog Number:**CL555-65644**



## Basic Information

<b>Catalog Number:</b>	CL555-65644	<b>GenBank Accession Number:</b>	BC002978	<b>Purification Method:</b>	Protein A purification
<b>Size:</b>	100 tests, 5 µl/test	<b>GenID (NCBI):</b>	975	<b>CloneNo.:</b>	5A6
<b>Source:</b>	Mouse	<b>ENSEMBL Gene ID:</b>	ENSG00000110651	<b>Recommended Dilutions:</b>	FC: 5 µl per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b>	IgG2a	<b>UNIPROT ID:</b>	P60033	<b>Excitation/Emission maxima wavelengths:</b>	554 nm / 570 nm
		<b>Full Name:</b>	CD81 molecule		
		<b>Calculated MW:</b>	26 kDa		

## Applications

<b>Tested Applications:</b>	<b>Positive Controls:</b>
FC	FC: human peripheral blood leukocytes,

**Species Specificity:**

human

## Background Information

CD81 (also known as TAPA1 or TSPAN28) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD81 is involved in signal transduction and cell adhesion in the immune system (PMID: 9597125). CD81 has also been identified as an essential receptor for HCV (hepatitis C virus) (PMID: 21428934).

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

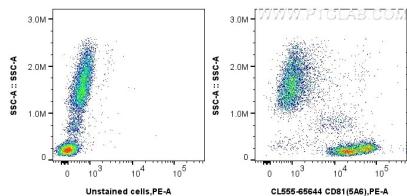
**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

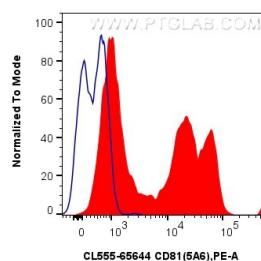
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 5 ul Coralite® Plus 555 Anti-Human CD81 (5A6) Mouse IgG2a RecAb (CL555-65644, Clone:5A6) (red) or 5 ul Coralite® Plus 555 Mouse IgG2a Isotype Control (C1.18.4) (CL555-65208, Clone: C1.18.4) (blue). Cells were incubated with FC Receptor Block prior to fixing and staining. Cells were not fixed.



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