

For Research Use Only

# CoraLite® Plus 488-conjugated CD81 Monoclonal antibody

Catalog Number: CL488-66866



## Basic Information

Catalog Number:

CL488-66866

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27298

GenBank Accession Number:

BC002978

GeneID (NCBI):

975

ENSEMBL Gene ID:

ENSG00000110651

UNIPROT ID:

P60033

Full Name:

CD81 molecule

Calculated MW:

26 kDa

Observed MW:

22 kDa

Purification Method:

Protein G purification

CloneNo.:

1G2C6

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

Human

Positive Controls:

IF-P : human tonsillitis tissue,

## 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 -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

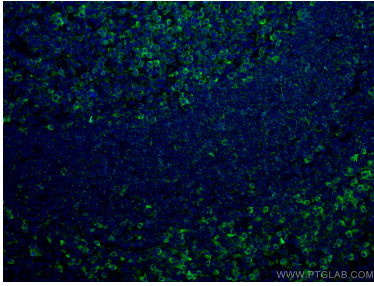
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

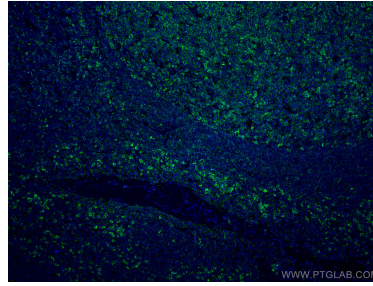
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488-conjugated CD81 antibody (CL488-66866, Clone: 1G2C6 ) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488-conjugated CD81 antibody (CL488-66866, Clone: 1G2C6 ) at dilution of 1:200.