

For Research Use Only

CoraLite® Plus 488-conjugated CD81 Monoclonal antibody



Catalog Number: **CL488-66866**

Basic Information

Catalog Number: CL488-66866	GenBank Accession Number: BC002978	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 975	CloneNo.: 1G2C6
Source: Mouse	Full Name: CD81 molecule	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 26 kDa	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Immunogen Catalog Number: AG27298	Observed MW: 22 kDa	

Applications

Tested Applications: FC, IF	Positive Controls: IF : human tonsillitis tissue,
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

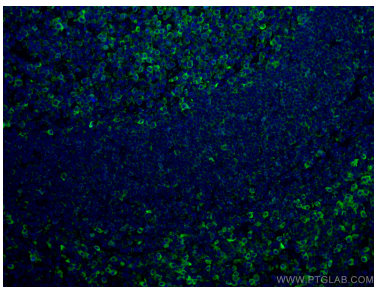
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

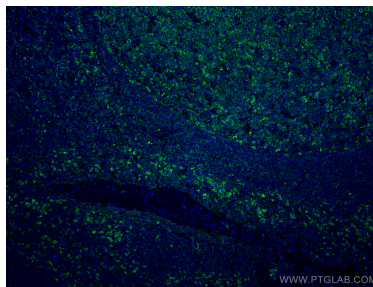
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

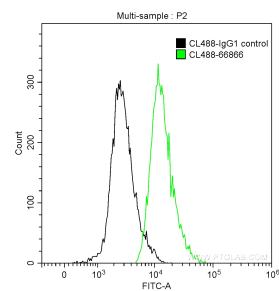
Selected Validation Data



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.



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1X10⁶ Jurkat cells were stained with 0.2 ug CoraLite® Plus 488-conjugated Anti-Human CD81 (CL488-66866, Clone: 1G2C6) (green), or stained with 0.2 ug isotype control (black). Cells were fixed with 90% MeOH.