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30-1389: Anti-CD81 Monoclonal Antibody (Clone:M38)

Clonality: Monoclonal

Clone Name: M38
Reactivity: Human
Gene: CD81
Gene ID: 975
Uniprot ID: P60033
Format: Purified

Alternative Name: CD81,TAPA1,TSPAN28

Isotype: Mouse IgG1

Immunogen Information: MOLT-4 (human T-ALL cell line)

Description

CD81 (TAPA-1), a member of the tetraspanin family, is expressed on virtually all nucleated cells, but above all on germinal center B cells. CD81 forms complexes with other tetraspanin proteins, integrins, coreceptors, MHC class I and II molecules, and influences adhesion, morphology, activation, proliferation and differentiation of B, T and other cells - e.g. in muscles CD81 promotes cell fusion and myotube maintenance. CD81 has been also identified as a receptor for the hepatitis C virus.

Product Info

Amount: 0.1 mg

Purification : Purified by protein-A affinity chromatography

Storage condition : Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: recommended dilution: 1 µg/ml.

Western blotting: recommended dilution: 1-2 µg/ml; positive control: Jurkat cells, non-reducing conditions.

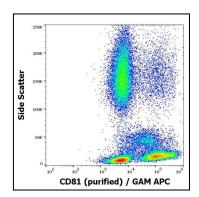


Figure-1: Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD81 (M38) purified antibody (concentration in sample 4 $\hat{l}_{4}g/ml$) GAM APC.



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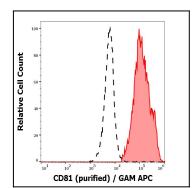


Figure-2: Separation of human lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD81 (M38) purified antibody (concentration in sample 4 $\hat{1}\frac{1}{4}$ g/ml) GAM APC.

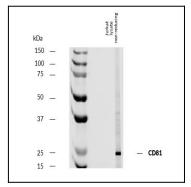


Figure-3: Western blotting analysis of human CD81 using mouse monoclonal antibody M38 on lysate of Jurkat cell line under non-reducing conditions. Nitrocellulose membrane was probed with 2 μ g/ml of mouse anti-human CD81 monoclonal antibody M38 followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for CD81 at approximately 25 kDa.