

## Product datasheet for **AM26031FC-N**

### **TAPA1 (CD81) Mouse Monoclonal Antibody [Clone ID: M38]**

#### **Product data:**

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | M38   |
| Applications:         | FC  |
| Recommended Dilution: | <b>Flow Cytometry analysis</b> of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension.<br>The content of a vial (2 ml) is sufficient for 100 tests.  |
| Reactivity:           | Feline, Human, Rabbit   |
| Host:                 | Mouse   |
| Isotype:              | IgG1  |
| Clonality:            | Monoclonal  |
| Immunogen:            | MOLT-4 (human T-ALL cell line)  |
| Specificity:          | This antibody reacts with CD81, a 25 kDa member of the tetraspanin family, expressed on majority of cells.  |
| Formulation:          | Phosphate buffered saline (PBS) solution containing 15mM sodium azide<br>Label: FITC<br>State: Liquid purified Ig fraction<br>Label: Conjugated with Fluorescein isothiocyanate under optimum conditions.<br>The reagent is free of unconjugated and adjusted for direct use. No reconstitution is necessary. |
| Conjugation:          | FITC  |
| Storage:              | Store the antibody at 2-8°C. Do Not Freeze! This product is photosensitive and should be protected from light.  |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | CD81 molecule   |
| Database Link:        | <a href="#">Entrez Gene 975 Human P60033</a>  |



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| <b>Background:</b>       | 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. |
| <b>Synonyms:</b>         | S5.7; TAPA-1; TAPA1; Tetraspanin-28; Tspan-28; TSPAN28   |
| <b>Protein Families:</b> | Druggable Genome, ES Cell Differentiation/IPS, Transmembrane   |
| <b>Protein Pathways:</b> | B cell receptor signaling pathway  |