

Product datasheet for **AM26701RP-N**

CD82 Mouse Monoclonal Antibody [Clone ID: C33]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | C33 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | C91/PL (human HTLV-1+ T cell line) |
| Specificity: | This antibody reacts with CD82, a widely expressed cell surface protein of the tetraspanin family. CD82 is also found in endosome/lysosome compartments. |
| Formulation: | Phosphate buffered saline (PBS) Label: PE State: Liquid Ig fraction Preservative: 15 mM sodium azide |
| Purification: | Size-exclusion chromatography |
| Conjugation: | PE |
| Storage: | Store undiluted at 2-8°C. Do Not Freeze! This products is photosensitive and should be protected from light. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | CD82 molecule |
| Database Link: | Entrez Gene 3732 Human P27701 |



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Background:

CD82 (KAI1), a member of the tetraspanin family, forms complexes with other tetraspanin proteins, integrins, coreceptors, MHC class I and II molecules. These complexes influence adhesion, morphology, activation, proliferation and differentiation of B, T and other cells. CD82 regulates cytoskeleton rearrangement and may participate in the turnover of the tetraspanin complex members. Besides in the plasma membrane, CD82 is localized also in endosome/lysosome compartments. Tumour-suppressive roles of CD82 have been demonstrated.

Synonyms:

KAI1, SAR2, ST6, TSPAN27, C33 antigen, IA4, Kangai-1, Tetraspanin-27