

## Product datasheet for **AM26701FC-N**

### CD82 Mouse Monoclonal Antibody [Clone ID: C33]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	C33
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry analysis</b> of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 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) State: Liquid Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) Preservative: 15 mM sodium azide Label: Conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Conjugation:	Unconjugated
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:	<a href="#">Entrez Gene 3732 Human P27701</a>



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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