

Product datasheet for **AM26701PU-N**

CD82 Mouse Monoclonal Antibody [Clone ID: C33]

Product data:

Product Type:	Primary Antibodies
Clone Name:	C33
Applications:	FC, FN, IF, IHC, IP, WB
Recommended Dilution:	Flow Cytometry. Immunoprecipitation Western blot. Immunohistochemistry on Paraffin Sections. Immunocytochemistry. Functional Application: In Human MOLT-4 T-cell line the antibody C33 inhibits syncytium formation induced by coculture with Human T-cell leukemia virus type 1 (HTLV-1)-positive Human T-cell lines.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	C91/PL (Human HTLV-1+ T cell line)
Specificity:	The 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), approx. pH 7.4 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Protein-A Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.

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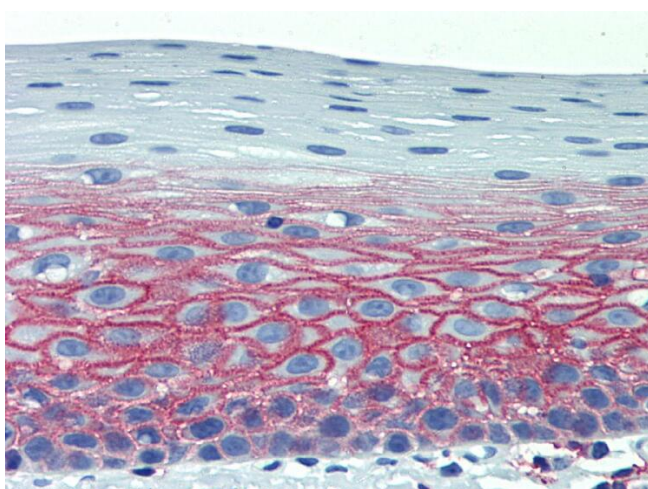
Gene Name: CD82 molecule

Database Link: [Entrez Gene 3732 Human P27701](#)

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

Product images:



Immunohistochemistry staining of human tonsil (paraffin-embedded sections) with anti-CD82 (C33).