

Datasheet for ABIN2749139  
**anti-CD82 antibody (PE)**[Go to Product page](#)

1 Image

6 Publications

## Overview

|              |  |
|--------------|--|
| Quantity:    | 100 tests                              |
| Target:      | CD82                                   |
| Reactivity:  | Human                                  |
| Host:        | Mouse                                  |
| Clonality:   | Monoclonal                             |
| Conjugate:   | This CD82 antibody is conjugated to PE |
| Application: | Flow Cytometry (FACS)                  |

## Product Details

|                             |   |
|-----------------------------|---|
| Immunogen:                  | C91/PL (human HTLV-1+ T cell line)  |
| Clone:                      | C33   |
| Isotype:                    | IgG2a   |
| Specificity:                | The mouse monoclonal antibody C33 recognizes an extracellular/luminal epitope of CD82, a widely expressed cell surface protein of the tetraspanin family. CD82 is also found in endosome/lysosome compartments. |
| Cross-Reactivity (Details): | Human, Other not tested   |
| Purification:               | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions.<br>Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.                                |

## Target Details

|         |      |
|---------|------|
| Target: | CD82 |
|---------|------|

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | CD82 ( <a href="#">CD82 Products</a> )  |
| Background:       | CD82 Molecule,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.,R2, 4F9, C33, IA4, ST6, GR15, KAI1, SAR2, TSPAN27 |
| Gene ID:          | 3732  |
| UniProt:          | <a href="#">P27701</a>  |
| Pathways:         | <a href="#">p53 Signaling</a>   |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Comment:           | The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.           |
| Restrictions:      | For Research Use only   |

## Handling

|                    |  |
|--------------------|--|
| Buffer:            | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C   |
| Storage Comment:   | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.   |

## Publications

|                   |   |
|-------------------|---|
| Product cited in: | Schatzlmaier, Supper, Göschl, Zwirzitz, Eckerstorfer, Ellmeier, Huppa, Stockinger: "Rapid |
|-------------------|---|

multiplex analysis of lipid raft components with single-cell resolution." in: **Science signaling**, Vol. 8, Issue 395, pp. rs11, (2015) ([PubMed](#)).

Escola, Kleijmeer, Stoorvogel, Griffith, Yoshie, Geuze: "Selective enrichment of tetraspan proteins on the internal vesicles of multivesicular endosomes and on exosomes secreted by human B-lymphocytes." in: **The Journal of biological chemistry**, Vol. 273, Issue 32, pp. 20121-7, (1998) ([PubMed](#)).

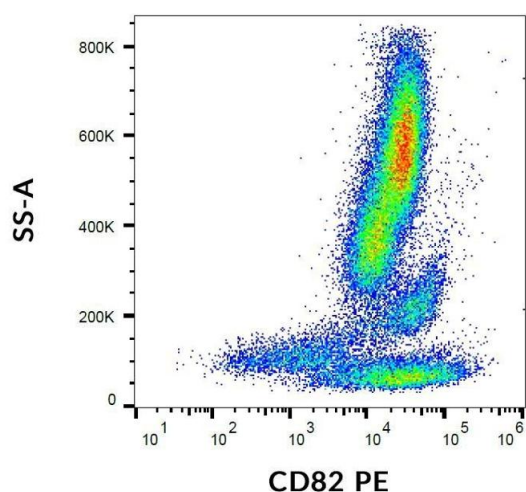
Ueda, Ichikawa, Tamaru, Mikata, Akakura, Akimoto, Imai, Yoshie, Shiraishi, Yatani, Ito, Shimazaki : "Expression of the KAI1 protein in benign prostatic hyperplasia and prostate cancer." in: **The American journal of pathology**, Vol. 149, Issue 5, pp. 1435-40, (1996) ([PubMed](#)).

Imai, Kakizaki, Nishimura, Yoshie: "Molecular analyses of the association of CD4 with two members of the transmembrane 4 superfamily, CD81 and CD82." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 155, Issue 3, pp. 1229-39, (1995) ([PubMed](#)).

Imai, Yoshie et al.: "C33 antigen and M38 antigen recognized by monoclonal antibodies inhibitory to syncytium formation by human T cell leukemia virus type 1 are both members of the transmembrane 4 superfamily and ..." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 151, Issue 11, pp. 6470-81, (1994) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

## Images



### Flow Cytometry

**Image 1.** Flow cytometry analysis (surface staining) of CD82 on human peripheral blood cells with anti-CD82 (C33) PE.