

Datasheet for ABIN2749138
anti-CD82 antibody (FITC)[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 FITC
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 fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CD82
Alternative Name:	CD82 (CD82 Products)
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:	P27701
Pathways:	p53 Signaling

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

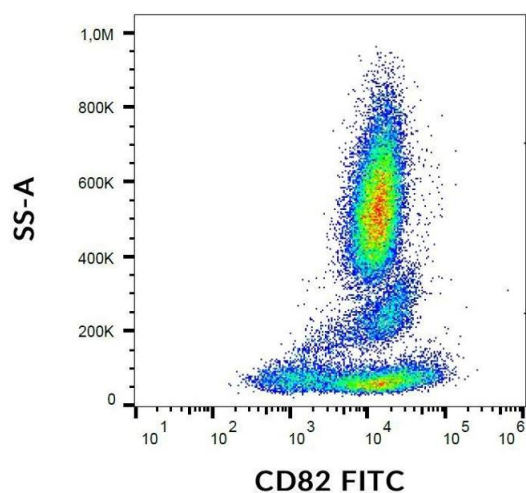
Handling

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:
- Schatzmaier, 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. Surface staining of CD82 on human peripheral blood cells with anti-CD82 (C33) FITC.