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Datasheet for ABIN1043024 anti-CD82 antibody

3 Images

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Overview

| Quantity: | 0.1 mg |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | CD82 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This CD82 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

Product Details

| Immunogen: | C91/PL (human HTLV-1+ T cell line) |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clone: | C33 |
| Isotype: | lgG2a |
| 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 by protein-A affinity chromatography. |
| Purity: | > 95 % (by SDS-PAGE) |

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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 |
| JniProt: | P27701 |
| Pathways: | p53 Signaling |
| Application Details | |
| Application Notes: | Flow cytometry: Recommended dilution: 1-4 µg/mL |
| Restrictions: | For Research Use only |
| Handling | |
| Concentration: | 1 mg/mL |
| Buffer: | 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. |
| Handling Advice: | Do not freeze. |
| Storage: | 4 °C |
| Storage Comment: | Store at 2-8°C. 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 , |

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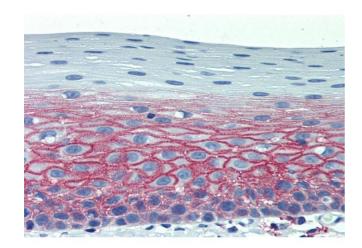
Escola, Kleijmeer, Stoorvogel, Griffith, Yoshie, Geuze: "Selective enrichment of tetraspan proteins on the internal vesicles of multivesicular endosomes and on exosomes secreted by human B-lymphocytes." in: **The Journal of biological chemistry**, Vol. 273, Issue 32, pp. 20121-7, (1998) (PubMed).

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).

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There are more publications referencing this product on: Product page

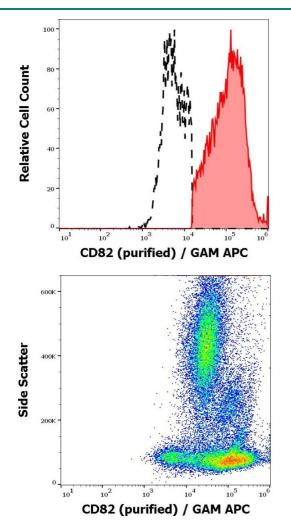


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry staining of human tonsil (paraffin-embedded sections) with anti-CD82 (C33).

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Images



Flow Cytometry

Image 2. Separation of human CD82 positive lymphocytes (red-filled) from CD82 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD82 (C33) purified antibody (concentration in sample 1 µg/mL) GAM APC.

Flow Cytometry

Image 3. Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD82 (C33) purified antibody (concentration in sample $1 \mu g/mL$) GAM APC.

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