

ARG65635 anti-CD82 antibody [C33] (APC)

Package: 100 tests
Store at: -20°C

Summary

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|---------------------|--|
| Product Description | APC-conjugated Mouse Monoclonal antibody [C33] recognizes CD82 |
| Tested Reactivity | Hu |
| Tested Application | FACS, FuncSt, ICC/IF, IHC-P, WB |
| Specificity | This antibody reacts with CD82, a widely expressed cell surface protein of the tetraspanin family. CD82 is also found in endosome/lysosome compartments. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | C33 |
| Isotype | IgG2a |
| Target Name | CD82 |
| Species | Human |
| Immunogen | C91/PL (human HTLV-1+ T cell line) |
| Conjugation | APC |
| Alternate Names | Tetraspanin-27; C33 antigen; R2; Tspan-27; TSPAN27; KAI1; CD antigen CD82; CD82 antigen; ST6; 4F9; Suppressor of tumorigenicity 6 protein; SAR2; IA4; Metastasis suppressor Kangai-1; Inducible membrane protein R2; GR15; C33 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | FACS | Assay-dependent |
| | FuncSt | Assay-dependent |
| | ICC/IF | Assay-dependent |
| | IHC-P | Assay-dependent |
| | WB | Assay-dependent |
| Application Note | 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. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

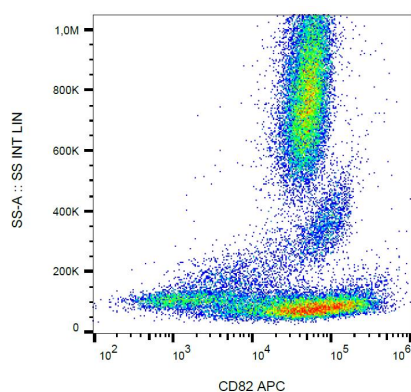
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|--------------|---|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA |

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|---------------------|---|
| Preservative | 15 mM Sodium azide |
| Stabilizer | 0.2% (w/v) high-grade protease free BSA |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Keep the antibody in the dark and keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|----------------|---|
| Database links | GeneID: 3732 Human Swiss-port # P27701 Human |
| Gene Symbol | CD82 |
| Gene Full Name | CD82 molecule |
| Background | This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| Function | Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway. [UniProt] |
| Research Area | Cancer antibody; Gene Regulation antibody; Immune System antibody |
| Calculated Mw | 30 kDa |

Images



ARG65635 anti-CD82 antibody [C33] (APC) FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG65635 anti-CD82 antibody [C33] (APC).