

## ARG23417 anti-CD82 antibody [B-L2]

Package: 250 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [B-L2] recognizes CD82<br>Mouse anti Human CD82 antibody, clone B-L2 recognizes human CD82, also known as C33 antigen, Metastasis suppressor Kangai-1, Suppressor of tumorigenicity 6 protein or Tetraspanin-27. CD82 is a 267 amino acid ~50-53 kDa multiple pass transmembrane glycoprotein and member of the tetraspanin family expressed by T cells, NK cells, monocytes, granulocytes and platelets. |
| Tested Reactivity   | Hu  |
| Tested Application  | FACS, IHC-Fr  |
| Host                | Mouse   |
| Clonality           | Monoclonal  |
| Clone               | B-L2  |
| Isotype             | IgG1  |
| Target Name         | CD82  |
| Species             | Human   |
| Immunogen           | Human CD82 transfected murine mastocytoma cell line P815.   |
| Conjugation         | Un-conjugated   |
| 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  | Neat            |
|                   | IHC-Fr  | Assay-dependent |
| Application Note  | FACS: Use 10 µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100 µl.<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purified by ion exchange chromatography.   |
| Buffer              | PBS, 0.09% Sodium azide and 1% BSA.  |
| Preservative        | 0.09% Sodium azide   |
| Stabilizer          | 1% 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. 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

---

|                |   |
|----------------|---|
| 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]  |
| Calculated Mw  | 30 kDa  |