

Technical Data Sheet

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| Product | Anti-Hu CD49a PE | |
| Cat. Number/Size | 1P-873-T100 | 100 tests |
| | For Research Use Only. | |
| | Not for use in diagnostic or therapeutic procedures. | |

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| Antigen | CD49a |
| Clone | TS2/7 |
| Format | PE |
| Reactivity | Human, Non-human primates |
| Application | FC (QC tested) |
| Application details | Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Excitation laser | blue (488 nm) |
| Isotype | Mouse IgG1 |
| Specificity | The mouse monoclonal antibody TS2/7 recognizes an extracellular epitope of CD49a, the alpha 1 chain of VLA integrin complex, that serves as an adhesion receptor for collagen IV and laminin 1. |
| Other names | alpha 1 integrin, VLA-1 alpha, ITGA1 |
| Immunogen | human CTL line |
| Entrez Gene ID | 3672 |
| Gene name | ITGA1 |
| NCBI Full Gene Name | integrin subunit alpha 1 |
| UniProt ID | P56199 |

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| Preparation | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| Formulation | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Storage and handling | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze. |

Images and References www.exbio.cz

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