

Technical Data Sheet

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|------------------|---|------------------|
| Product          | <b>Anti-NG2 APC</b>   |                  |
| Cat. Number/Size | <b>1A-199-T100</b>  | <b>100 tests</b> |
|                  | <b>For Research Use Only.</b>                               |                  |
|                  | <b>Not for use in diagnostic or therapeutic procedures.</b> |                  |

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|---------------------|---|
| Antigen             | NG2   |
| Clone               | 7.1   |
| Format              | APC   |
| Reactivity          | Human   |
| 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 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Excitation laser    | red (633 nm)  |
| Isotype             | Mouse IgG1  |
| Specificity         | The mouse monoclonal antibody 7.1 recognizes an extracellular epitope of NG2, the melanoma-associated chondroitin sulfate proteoglycan 4 of Mw approximately 220-300 kDa.   |
| Other names         | Chondroitin sulfate proteoglycan 4, MSK16, CSPG4, MCSP  |
| Immunogen           | Human bone marrow stromal cells infected with SV-40   |
| Entrez Gene ID      | 1464  |
| Gene name           | CSPG4   |
| NCBI Full Gene Name | chondroitin sulfate proteoglycan 4  |
| UniProt ID          | Q6UVK1  |

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|----------------------|---|
| Preparation          | Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and 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.  |

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Images and References [www.exbio.cz](http://www.exbio.cz)

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