



Technical Data Sheet

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| Product          | <b>Anti-Hu CD144 Alexa Fluor® 647</b>                       |                  |
| Cat. Number/Size | <b>A6-770-T100</b>                                          | <b>100 tests</b> |
|                  | <b>For Research Use Only.</b>                               |                  |
|                  | <b>Not for use in diagnostic or therapeutic procedures.</b> |                  |

|                     |                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antigen             | CD144                                                                                                                                                                                                                      |
| Clone               | 55-7H1                                                                                                                                                                                                                     |
| Format              | Alexa Fluor® 647                                                                                                                                                                                                           |
| Reactivity          | Human                                                                                                                                                                                                                      |
| Application         | FC (QC tested), WB, ICC                                                                                                                                                                                                    |
| Application details | Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. |
| Excitation laser    | red (633 nm)                                                                                                                                                                                                               |
| Isotype             | Mouse IgG1 kappa                                                                                                                                                                                                           |
| Specificity         | The mouse monoclonal antibody 55-7H1 recognizes a calcium-independent extracellular epitope on CD144 (VE-cadherin, cadherin 5), an adhesion molecule expressed on endothelial cells.                                       |
| Other names         | Cadherin 5, CDH5, 7B4, VE-cadherin                                                                                                                                                                                         |
| Workshop            | HLDA VI: WS code E092                                                                                                                                                                                                      |
| Immunogen           | Human endothelial cells                                                                                                                                                                                                    |
| Entrez Gene ID      | 1003                                                                                                                                                                                                                       |
| Gene name           | CDH5                                                                                                                                                                                                                       |
| NCBI Full Gene Name | cadherin 5                                                                                                                                                                                                                 |
| UniProt ID          | P33151                                                                                                                                                                                                                     |

|                      |                                                                                                                                                                                        |
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| Preparation          | Purified antibody is conjugated with Alexa Fluor® 647 NHS ester 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 | <a href="http://www.exbio.cz">www.exbio.cz</a> |
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