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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| Product               | <b>Anti-Hu CD147 APC</b>                                                                                                                                                                                                                                                                                                                                                                                             |                  |
| Cat. Number/Size      | <b>1A-274-T025</b>                                                                                                                                                                                                                                                                                                                                                                                                   | <b>25 tests</b>  |
|                       | <b>1A-274-T100</b>                                                                                                                                                                                                                                                                                                                                                                                                   | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                                                                                                        |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                                                                                                          |                  |
| Antigen               | CD147                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| Clone                 | MEM-M6/1                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
| 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 antibody MEM-M6/1 recognizes an extracellular epitope in the N-terminal Ig domain (D1) of CD147 (Neurothelin), a 50-60 kDa type I transmembrane glycoprotein primarily expressed on all leukocytes, red blood cells, platelets and endothelial cells; it is not expressed by resting lymphocytes. The antibody MEM-M6/1 is a high-affinity antibody capable of binding to unstimulated peripheral blood T cells. |                  |
| Other names           | Neurothelin, Basigin, LAM6, CSF, 5F7, TCSF, BSG, TCSF, Emprin, OK blood group                                                                                                                                                                                                                                                                                                                                        |                  |
| Immunogen             | Protein A-CR purified soluble recombinant form of CD147, CD147Rg, which consists of the cDNA coding for the hinge region, CH2-and CH3 domain of human IgG1 (CD147Rg is secreted by transfectants as a dimer).                                                                                                                                                                                                        |                  |
| Entrez Gene ID        | 682                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
| Gene name             | BSG                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
| NCBI Full Gene Name   | basigin (Ok blood group)                                                                                                                                                                                                                                                                                                                                                                                             |                  |
| UniProt ID            | P35613                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
| 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.                                                                                                                                                                                                                                                                                                                                             |                  |
| Images and References | www.exbio.cz                                                                                                                                                                                                                                                                                                                                                                                                         |                  |

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