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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                   |                  |
| Product               | <b>Anti-Hu CD54 PerCP</b>                                                                                                                                                                                                                                                                                                              |                  |
| Cat. Number/Size      | <b>PC-429-T025</b>                                                                                                                                                                                                                                                                                                                     | <b>25 tests</b>  |
|                       | <b>PC-429-T100</b>                                                                                                                                                                                                                                                                                                                     | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                          |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                            |                  |
| Antigen               | CD54                                                                                                                                                                                                                                                                                                                                   |                  |
| Clone                 | 1H4                                                                                                                                                                                                                                                                                                                                    |                  |
| Format                | PerCP                                                                                                                                                                                                                                                                                                                                  |                  |
| 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      | blue (488 nm)                                                                                                                                                                                                                                                                                                                          |                  |
| Isotype               | Mouse IgG2b                                                                                                                                                                                                                                                                                                                            |                  |
| Specificity           | The antibody 1H4 recognizes an extracellular epitope of CD54 (ICAM-1), a 85-110 kDa type I transmembrane glycoprotein (receptor for rhinovirus) expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells; the expression of CD54 is upregulated by activation. |                  |
| Other names           | ICAM-1, BB2, P3.58                                                                                                                                                                                                                                                                                                                     |                  |
| Immunogen             | Raji cells and spleen cells fused with NS1 cells                                                                                                                                                                                                                                                                                       |                  |
| Entrez Gene ID        | 3383                                                                                                                                                                                                                                                                                                                                   |                  |
| Gene name             | ICAM1                                                                                                                                                                                                                                                                                                                                  |                  |
| NCBI Full Gene Name   | intercellular adhesion molecule 1                                                                                                                                                                                                                                                                                                      |                  |
| UniProt ID            | P05362                                                                                                                                                                                                                                                                                                                                 |                  |
| Preparation           | Purified antibody is conjugated with activated Peridinin-Chlorophyll Protein (PerCP) 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 | <a href="http://www.exbio.cz">www.exbio.cz</a>                                                                                                                                                                                                                                                                                         |                  |

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