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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                       | Technical Data Sheet                                                                                                                                                                                                      |                  |
| Product               | <b>Anti-Hu CD316 PE</b>                                                                                                                                                                                                   |                  |
| Cat. Number/Size      | <b>1P-940-T100</b>                                                                                                                                                                                                        | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                             |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                               |                  |
| Antigen               | CD316                                                                                                                                                                                                                     |                  |
| Clone                 | 8A12                                                                                                                                                                                                                      |                  |
| Format                | PE                                                                                                                                                                                                                        |                  |
| 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 IgG2a                                                                                                                                                                                                               |                  |
| Specificity           | The mouse monoclonal antibody 8A12 recognizes an extracellular epitope of CD316, a type I transmembrane glycoprotein, expressed mainly by lymphocytes, NK cells and in a broad range of tissues.                          |                  |
| Other names           | EWI2, PGRL, KCT-4, LIR-D1, IGSF8                                                                                                                                                                                          |                  |
| Workshop              | HCDM listed                                                                                                                                                                                                               |                  |
| Immunogen             | human leukocytes                                                                                                                                                                                                          |                  |
| Entrez Gene ID        | 93185                                                                                                                                                                                                                     |                  |
| Gene name             | IGSF8                                                                                                                                                                                                                     |                  |
| NCBI Full Gene Name   | immunoglobulin superfamily member 8                                                                                                                                                                                       |                  |
| UniProt ID            | Q969P0                                                                                                                                                                                                                    |                  |
| 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 | <a href="http://www.exbio.cz">www.exbio.cz</a>                                                                                                                                                                            |                  |

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