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|                       | Technical Data Sheet                                                                                                                                                                                                                                                   |                  |
| Product               | <b>Anti-Hu CD15 Pacific Blue™</b>                                                                                                                                                                                                                                      |                  |
| Cat. Number/Size      | <b>PB-213-T025</b>                                                                                                                                                                                                                                                     | <b>25 tests</b>  |
|                       | <b>PB-213-T100</b>                                                                                                                                                                                                                                                     | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                          |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                            |                  |
| Antigen               | CD15                                                                                                                                                                                                                                                                   |                  |
| Clone                 | MEM-158                                                                                                                                                                                                                                                                |                  |
| Format                | Pacific Blue™                                                                                                                                                                                                                                                          |                  |
| Reactivity            | Human                                                                                                                                                                                                                                                                  |                  |
| Negative species      | Pig, Sheep, Cow                                                                                                                                                                                                                                                        |                  |
| Application           | FC (QC tested)                                                                                                                                                                                                                                                         |                  |
| 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      | violet (405 nm)                                                                                                                                                                                                                                                        |                  |
| Isotype               | Mouse IgM                                                                                                                                                                                                                                                              |                  |
| Specificity           | The antibody MEM-158 reacts with CD15, a cell membrane molecule 3-fucosyl-N-acetylglucosamine (3-FAL) strongly expressed on the surface of granulocytes, monocytes, macrophages, mast cells; it is also present on Langerhans cells and some myeloid precursors cells. |                  |
| Other names           | Lewis x Blood Group antigen, Le(x), SSEA-1, 3-fucosyl-N-acetylglucosamine                                                                                                                                                                                              |                  |
| Workshop              | HLDA VI: WS Code AS A053                                                                                                                                                                                                                                               |                  |
| Immunogen             | Human granulocytes                                                                                                                                                                                                                                                     |                  |
| Preparation           | Purified antibody is conjugated with Pacific Blue™ NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.                                                                                    |                  |
| Formulation           | Stabilizing MES buffered saline, pH 5.5, 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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