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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|                       | Technical Data Sheet                                                                                                                                                                                                       |           |
| Product               | Anti-Hu Ig Kappa Light Chain Pacific Blue™                                                                                                                                                                                 |           |
| Cat. Number/Size      | PB-504-T025                                                                                                                                                                                                                | 25 tests  |
|                       | PB-504-T100                                                                                                                                                                                                                | 100 tests |
|                       | For Research Use Only.                                                                                                                                                                                                     |           |
|                       | Not for use in diagnostic or therapeutic procedures.                                                                                                                                                                       |           |
| <hr/>                 |                                                                                                                                                                                                                            |           |
| Antigen               | Ig Kappa Light Chain                                                                                                                                                                                                       |           |
| Clone                 | A8B5                                                                                                                                                                                                                       |           |
| Format                | Pacific Blue™                                                                                                                                                                                                              |           |
| Reactivity            | Human                                                                                                                                                                                                                      |           |
| Negative species      | Rabbit, Hamster, Sheep, Guinea pig, Goat                                                                                                                                                                                   |           |
| 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 IgG1                                                                                                                                                                                                                 |           |
| Specificity           | The mouse monoclonal antibody A8B5 reacts with kappa light chains (22.5 kDa) of immunoglobulins.                                                                                                                           |           |
| Other names           | Immunoglobulin kappa, Igk                                                                                                                                                                                                  |           |
| <hr/>                 |                                                                                                                                                                                                                            |           |
| 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 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 | www.exbio.cz                                                                                                                                                                                                               |           |

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