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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                       | Technical Data Sheet                                                                                                                                                                                                       |                  |
| Product               | <b>Anti-HLA-DR APC-Cy™7</b>                                                                                                                                                                                                |                  |
| Cat. Number/Size      | <b>T4-690-T025</b>                                                                                                                                                                                                         | <b>25 tests</b>  |
|                       | <b>T4-690-T100</b>                                                                                                                                                                                                         | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                              |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                |                  |
| Antigen               | HLA-DR                                                                                                                                                                                                                     |                  |
| Clone                 | L243                                                                                                                                                                                                                       |                  |
| Format                | APC-Cy™7                                                                                                                                                                                                                   |                  |
| Reactivity            | Dog, Non-human primates, Human                                                                                                                                                                                             |                  |
| 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      | red (633 nm)                                                                                                                                                                                                               |                  |
| Isotype               | Mouse IgG2a kappa                                                                                                                                                                                                          |                  |
| Specificity           | The mouse monoclonal antibody L243 recognizes specifically an extracellular epitope on HLA-DR molecules, both peptide-loaded and empty.                                                                                    |                  |
| Immunogen             | Human B lymphocytes                                                                                                                                                                                                        |                  |
| Preparation           | Purified antibody is conjugated with activated tandem dye of allophycocyanin-cyanine 7 (APC-Cy™7) 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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