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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                       | Technical Data Sheet                                                                                                                                                                                                                 |                 |
| Product               | <b>Anti-Hu CD5 Biotin</b>                                                                                                                                                                                                            |                 |
| Cat. Number/Size      | <b>1B-691-C025</b>                                                                                                                                                                                                                   | <b>0.025 mg</b> |
|                       | <b>1B-691-C100</b>                                                                                                                                                                                                                   | <b>0.1 mg</b>   |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                        |                 |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                          |                 |
| Antigen               | CD5                                                                                                                                                                                                                                  |                 |
| Clone                 | L17F12                                                                                                                                                                                                                               |                 |
| Format                | Biotin                                                                                                                                                                                                                               |                 |
| Reactivity            | Human                                                                                                                                                                                                                                |                 |
| Application           | FC (QC tested), IP, WB, ICC                                                                                                                                                                                                          |                 |
| Application details   | Flow cytometry: Recommended dilution: 1-4 µg/ml.                                                                                                                                                                                     |                 |
| Isotype               | Mouse IgG2a kappa                                                                                                                                                                                                                    |                 |
| Specificity           | The mouse monoclonal antibody L17F12 reacts with an extracellular epitope of CD5, a 67kDa single-chain transmembrane glycoprotein expressed on mature T lymphocytes, most of thymocytes and B lymphocytes subset (B-1a lymphocytes). |                 |
| Other names           | T1, LEU1                                                                                                                                                                                                                             |                 |
| Immunogen             | Human acute lymphoblastic leukemia (ALL) T cells                                                                                                                                                                                     |                 |
| Entrez Gene ID        | 921                                                                                                                                                                                                                                  |                 |
| Gene name             | CD5                                                                                                                                                                                                                                  |                 |
| NCBI Full Gene Name   | CD5 molecule                                                                                                                                                                                                                         |                 |
| UniProt ID            | P06127                                                                                                                                                                                                                               |                 |
| Concentration         | 1 mg/ml                                                                                                                                                                                                                              |                 |
| Preparation           | Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.                                                            |                 |
| Formulation           | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide                                                                                                                                                                          |                 |
| Storage and handling  | Store at 2-8°C. Do not freeze.                                                                                                                                                                                                       |                 |
| Images and References | www.exbio.cz                                                                                                                                                                                                                         |                 |

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