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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                       | Technical Data Sheet                                                                                                                                                                                                                                         |                  |
| Product               | <b>Anti-Hu CD340 APC</b>                                                                                                                                                                                                                                     |                  |
| Cat. Number/Size      | <b>1A-832-T100</b>                                                                                                                                                                                                                                           | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                  |                  |
| Antigen               | CD340                                                                                                                                                                                                                                                        |                  |
| Clone                 | 24D2                                                                                                                                                                                                                                                         |                  |
| Format                | APC                                                                                                                                                                                                                                                          |                  |
| 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      | red (633 nm)                                                                                                                                                                                                                                                 |                  |
| Isotype               | Mouse IgG1                                                                                                                                                                                                                                                   |                  |
| Specificity           | The mouse monoclonal antibody 24D2 recognizes an extracellular epitope of human CD340 (HER-2), a type I transmembrane protein expressed by mesenchymal stem cells, B-lymphoblastic leukemia cells, subsets of C-ALL blasts, and various types of carcinomas. |                  |
| Other names           | ERBB2, NEU, NGL, HER2, TKR1, MLN 19                                                                                                                                                                                                                          |                  |
| Workshop              | HCDM listed                                                                                                                                                                                                                                                  |                  |
| Immunogen             | NIH-3T3/huCD340 cells                                                                                                                                                                                                                                        |                  |
| Entrez Gene ID        | 2064                                                                                                                                                                                                                                                         |                  |
| Gene name             | ERBB2                                                                                                                                                                                                                                                        |                  |
| NCBI Full Gene Name   | erb-b2 receptor tyrosine kinase 2                                                                                                                                                                                                                            |                  |
| UniProt ID            | P04626                                                                                                                                                                                                                                                       |                  |
| Preparation           | Purified antibody is conjugated with activated allophycocyanin (APC) 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 | www.exbio.cz                                                                                                                                                                                                                                                 |                  |

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