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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                       | Technical Data Sheet                                                                                                                                                                                                                                   |                  |
| Product               | <b>Anti-Hu CD117 PerCP-Cy™5.5</b>                                                                                                                                                                                                                      |                  |
| Cat. Number/Size      | <b>T9-586-T025</b>                                                                                                                                                                                                                                     | <b>25 tests</b>  |
|                       | <b>T9-586-T100</b>                                                                                                                                                                                                                                     | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                          |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                            |                  |
| Antigen               | CD117                                                                                                                                                                                                                                                  |                  |
| Clone                 | 104D2                                                                                                                                                                                                                                                  |                  |
| Format                | PerCP-Cy™5.5                                                                                                                                                                                                                                           |                  |
| Reactivity            | Non-human primates, Human, 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      | blue (488 nm)                                                                                                                                                                                                                                          |                  |
| Isotype               | Mouse IgG1 kappa                                                                                                                                                                                                                                       |                  |
| Specificity           | The mouse monoclonal antibody 104D2 detects extracellular part of CD117 / c-Kit protooncogen.                                                                                                                                                          |                  |
| Other names           | c-Kit, PBT, SCFR                                                                                                                                                                                                                                       |                  |
| Workshop              | HLDA VI: WS Code C-30                                                                                                                                                                                                                                  |                  |
| Immunogen             | MOLM-1 megakaryocytic cells                                                                                                                                                                                                                            |                  |
| Entrez Gene ID        | 3815                                                                                                                                                                                                                                                   |                  |
| Gene name             | KIT                                                                                                                                                                                                                                                    |                  |
| NCBI Full Gene Name   | KIT proto-oncogene, receptor tyrosine kinase                                                                                                                                                                                                           |                  |
| UniProt ID            | P10721                                                                                                                                                                                                                                                 |                  |
| Preparation           | Purified antibody is conjugated with activated tandem dye of activated Peridinin-Chlorophyll Protein-Cyanine 5.5 (PerCP-Cy™5.5) 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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