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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                       | Technical Data Sheet                                                                                                                                                                                                       |                  |
| Product               | <b>Anti-Hu CD57 FITC</b>                                                                                                                                                                                                   |                  |
| Cat. Number/Size      | <b>1F-158-T025</b>                                                                                                                                                                                                         | <b>25 tests</b>  |
|                       | <b>1F-158-T100</b>                                                                                                                                                                                                         | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                              |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                |                  |
| Antigen               | CD57                                                                                                                                                                                                                       |                  |
| Clone                 | TB01                                                                                                                                                                                                                       |                  |
| Format                | FITC                                                                                                                                                                                                                       |                  |
| Reactivity            | 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      | blue (488 nm)                                                                                                                                                                                                              |                  |
| Isotype               | Mouse IgM                                                                                                                                                                                                                  |                  |
| Specificity           | The mouse monoclonal antibody TB01 recognizes CD57, a carbohydrate extracellular antigen present mainly on NK cells, NK T cells, and in neural tissue.                                                                     |                  |
| Other names           | HNK1, LEU7, 3-O-sulfoglucuronic acid beta1-3 Gal beta1-4 GlcNAc                                                                                                                                                            |                  |
| Workshop              | HLDA VI: WS Code NK16                                                                                                                                                                                                      |                  |
| Immunogen             | A pool of neuroblastoma cell lines                                                                                                                                                                                         |                  |
| Entrez Gene ID        | 27087                                                                                                                                                                                                                      |                  |
| Gene name             | B3GAT1                                                                                                                                                                                                                     |                  |
| NCBI Full Gene Name   | beta-1,3-glucuronyltransferase 1                                                                                                                                                                                           |                  |
| UniProt ID            | Q9P2W7                                                                                                                                                                                                                     |                  |
| Preparation           | Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.                              |                  |
| Formulation           | Stabilizing Tris buffered saline (TBS), pH 8.0, 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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