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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                  |                 |
| Product               | <b>Anti-Hu CD99 Purified</b>                                                                                                                                                                                                                                                                                                                                                          |                 |
| Cat. Number/Size      | <b>11-658-C025</b>                                                                                                                                                                                                                                                                                                                                                                    | <b>0.025 mg</b> |
|                       | <b>11-658-C100</b>                                                                                                                                                                                                                                                                                                                                                                    | <b>0.1 mg</b>   |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                                                                         |                 |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                                                                           |                 |
| Antigen               | CD99                                                                                                                                                                                                                                                                                                                                                                                  |                 |
| Clone                 | 3B2/TA8                                                                                                                                                                                                                                                                                                                                                                               |                 |
| Format                | Purified                                                                                                                                                                                                                                                                                                                                                                              |                 |
| Reactivity            | Human                                                                                                                                                                                                                                                                                                                                                                                 |                 |
| Application           | FC (QC tested), MC-CyTOF                                                                                                                                                                                                                                                                                                                                                              |                 |
| Application details   | Flow cytometry: Recommended dilution: 1-4 µg/ml.                                                                                                                                                                                                                                                                                                                                      |                 |
| Isotype               | Mouse IgG2a kappa                                                                                                                                                                                                                                                                                                                                                                     |                 |
| Specificity           | The mouse monoclonal antibody 3B2/TA8 recognizes an extracellular epitope of CD99, an approximately 32 kDa sialoglycoprotein expressed on the surface of many cell types, with particularly strong expression on Ewing´s sarcoma and peripheral primitive neuroectodermal tumors. Within the hematopoietic system, CD99 is expressed on virtually all cell types except granulocytes. |                 |
| Other names           | MIC2, HBA71, blood group Xg                                                                                                                                                                                                                                                                                                                                                           |                 |
| Workshop              | HLDA VI: WS Code T 6T-097, BP 534                                                                                                                                                                                                                                                                                                                                                     |                 |
| Immunogen             | Human thymocytes                                                                                                                                                                                                                                                                                                                                                                      |                 |
| Entrez Gene ID        | 4267                                                                                                                                                                                                                                                                                                                                                                                  |                 |
| Gene name             | CD99                                                                                                                                                                                                                                                                                                                                                                                  |                 |
| NCBI Full Gene Name   | CD99 molecule (Xg blood group)                                                                                                                                                                                                                                                                                                                                                        |                 |
| UniProt ID            | P14209                                                                                                                                                                                                                                                                                                                                                                                |                 |
| Concentration         | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                               |                 |
| Preparation           | Purified by protein-A affinity 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 | <a href="http://www.exbio.cz">www.exbio.cz</a>                                                                                                                                                                                                                                                                                                                                        |                 |

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