

Technical Data Sheet

|                       |  |                 |
|-----------------------|--|-----------------|
| Product               | <b>Anti-Hu CD53 Purified</b>   |                 |
| Cat. Number/Size      | <b>11-227-C025</b>   | <b>0.025 mg</b> |
|                       | <b>11-227-C100</b>   | <b>0.1 mg</b>   |
|                       | <b>For Research Use Only.</b>  |                 |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>  |                 |
| Antigen               | CD53   |                 |
| Clone                 | MEM-53   |                 |
| Format                | Purified   |                 |
| Reactivity            | Human  |                 |
| Application           | FC (QC tested), IP, WB, IHC(F)   |                 |
| Application details   | Immunohistochemistry (frozen sections): It is suitable for discrimination of lymphomas from other tumors.<br>Flow cytometry: Recommended dilution: 1-5 µg/ml.  |                 |
| Isotype               | Mouse IgG1   |                 |
| Specificity           | The antibody MEM-53 reacts with an extracellular epitope of CD53, a 32-40 kDa tetraspanin family glycoprotein exclusively expressed on leukocytes; it is not present on platelets, red blood cells and non-hematopoietic cells. The antibody MEM-53 reacts also with deglycosylated molecule (molecular weight of the antigen is reduced by 15 kDa using endoglycosidase F). |                 |
| Other names           | Tetraspanin-25, MOX44, TSPAN25   |                 |
| Workshop              | HLDA IV: WS Code NL 59; HLDA V: WS Code B CD53.5; HLDA V: WS Code BP BP287; HLDA V: WS Code T T-096; HLDA V: WS Code X XB004   |                 |
| Immunogen             | Leukocytes of patient suffering from a LGL-type leukemia.  |                 |
| Entrez Gene ID        | 963  |                 |
| Gene name             | CD53   |                 |
| NCBI Full Gene Name   | CD53 molecule  |                 |
| UniProt ID            | P19397   |                 |
| 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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