



Technical Data Sheet

|                       |   |                  |
|-----------------------|---|------------------|
| Product               | <b>Anti-Hu CD9 Alexa Fluor® 488</b>   |                  |
| Cat. Number/Size      | <b>A4-208-T100</b>  | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>   |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>   |                  |
| Antigen               | CD9   |                  |
| Clone                 | MEM-61  |                  |
| Format                | Alexa Fluor® 488  |                  |
| Reactivity            | Human   |                  |
| Application           | WB, IHC-P, 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 antibody MEM-61 recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes. |                  |
| Other names           | MIC3, MRP-1, BTCC-1, DRAP-27, TSPAN29, BA2  |                  |
| Workshop              | HLDA VI: WS Code P P-15   |                  |
| Immunogen             | Pre-B cell line NALM-6.   |                  |
| Entrez Gene ID        | 928   |                  |
| Gene name             | CD9   |                  |
| NCBI Full Gene Name   | CD9 molecule  |                  |
| UniProt ID            | P21926  |                  |
| Preparation           | Purified antibody is conjugated with Alexa Fluor® 488 NHS ester 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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