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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                                             |                 |
| Product               | <b>Anti-Hu CD3 zeta (pY153) Purified</b>                                                                                                                                                                                                                                                                                                                         |                 |
| Cat. Number/Size      | <b>11-686-C025</b>                                                                                                                                                                                                                                                                                                                                               | <b>0.025 mg</b> |
|                       | <b>11-686-C100</b>                                                                                                                                                                                                                                                                                                                                               | <b>0.1 mg</b>   |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                                                    |                 |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                                                      |                 |
| Antigen               | CD3 zeta (pY153)                                                                                                                                                                                                                                                                                                                                                 |                 |
| Clone                 | EM-17                                                                                                                                                                                                                                                                                                                                                            |                 |
| Format                | Purified                                                                                                                                                                                                                                                                                                                                                         |                 |
| Reactivity            | Human, Mouse                                                                                                                                                                                                                                                                                                                                                     |                 |
| Application           | FC (QC tested), WB                                                                                                                                                                                                                                                                                                                                               |                 |
| Application details   | Western blotting: Recommended dilution: 2 - 5 µg/ml; positive control: Jurkat cells lysate treated with pervanadate, splenocyte lysate of Balb/c or F1 mouse treated with pervanadate, non-reducing conditions recommended.<br>Flow cytometry: Intracellular staining; recommended dilution: 1-4 µg/ml; positive control: Jurkat cells treated with pervanadate. |                 |
| Isotype               | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                       |                 |
| Specificity           | The mouse monoclonal antibody EM-17 recognizes phosphorylated intracellular tyrosine 153 of CD3 zeta chain (CD247), which is a component of TCR/CD3 complex expressed on T cells.                                                                                                                                                                                |                 |
| Other names           | CD3 zeta chain, CD247, T3Z, TCRz, IMD25                                                                                                                                                                                                                                                                                                                          |                 |
| Immunogen             | A phospho specific peptide corresponding to the amino acids surrounding tyrosine 153 of mouse CD3 zeta linked to KLH                                                                                                                                                                                                                                             |                 |
| Entrez Gene ID        | 919                                                                                                                                                                                                                                                                                                                                                              |                 |
| Gene name             | CD247                                                                                                                                                                                                                                                                                                                                                            |                 |
| NCBI Full Gene Name   | CD247 molecule                                                                                                                                                                                                                                                                                                                                                   |                 |
| UniProt ID            | P20963                                                                                                                                                                                                                                                                                                                                                           |                 |
| 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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