



Technical Data Sheet

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| Product | Anti-Hu CD3 zeta (pY142) Alexa Fluor® 488 | | |
| Cat. Number/Size | A4-730-C100 | 0.1 mg | |
| | For Research Use Only. | | |
| | Not for use in diagnostic or therapeutic procedures. | | |
| Antigen | CD3 zeta (pY142) | | |
| Clone | EM-54 | | |
| Format | Alexa Fluor® 488 | | |
| Reactivity | Human, Mouse | | |
| Application | FC (QC tested) | | |
| Application details | Flow cytometry: Recommended dilution: 1-4 µg/ml. Intracellular staining. | | |
| Excitation laser | blue (488 nm) | | |
| Isotype | Mouse IgG1 | | |
| Specificity | The mouse monoclonal antibody EM-54 recognizes phosphorylated intracellular tyrosine 142 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 | CP1 (pTyr142) - KLH | | |
| Entrez Gene ID | 919 | | |
| Gene name | CD247 | | |
| NCBI Full Gene Name | CD247 molecule | | |
| UniProt ID | P20963 | | |
| Concentration | 0.1 mg/ml | | |
| 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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