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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                       | Technical Data Sheet                                                                                                                                                                                               |                 |
| Product               | <b>Anti-Rt CD28 FITC</b>                                                                                                                                                                                           |                 |
| Cat. Number/Size      | <b>1F-655-C025</b>                                                                                                                                                                                                 | <b>0.025 mg</b> |
|                       | <b>1F-655-C100</b>                                                                                                                                                                                                 | <b>0.1 mg</b>   |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                      |                 |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                        |                 |
| Antigen               | CD28                                                                                                                                                                                                               |                 |
| Clone                 | JJ319                                                                                                                                                                                                              |                 |
| Format                | FITC                                                                                                                                                                                                               |                 |
| Reactivity            | Rat                                                                                                                                                                                                                |                 |
| Application           | FC (QC tested)                                                                                                                                                                                                     |                 |
| Application details   | Flow cytometry: Recommended dilution: 2 µg/ml.                                                                                                                                                                     |                 |
| Excitation laser      | blue (488 nm)                                                                                                                                                                                                      |                 |
| Isotype               | Mouse IgG1 kappa                                                                                                                                                                                                   |                 |
| Specificity           | The mouse monoclonal antibody JJ319 reacts with an extracellular epitope of CD28, a disulfide-linked homodimeric type I glycoprotein (monomer of Mw 44 kDa) which is a critical costimulatory receptor of T cells. |                 |
| Other names           | Tp44                                                                                                                                                                                                               |                 |
| Immunogen             | Mouse A20J B lymphoma cells transfected with rat CD28                                                                                                                                                              |                 |
| Entrez Gene ID        | 25660                                                                                                                                                                                                              |                 |
| Gene name             | CD28                                                                                                                                                                                                               |                 |
| NCBI Full Gene Name   | CD28 molecule                                                                                                                                                                                                      |                 |
| UniProt ID            | P31042                                                                                                                                                                                                             |                 |
| Concentration         | 0.5 mg/ml                                                                                                                                                                                                          |                 |
| Preparation           | Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.                      |                 |
| Formulation           | 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 | <a href="http://www.exbio.cz">www.exbio.cz</a>                                                                                                                                                                     |                 |

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