



Technical Data Sheet

|                       |                                                                                                                                                                                     |                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Product               | <b>Anti-Ms CD8a Pacific Blue™</b>                                                                                                                                                   |                 |
| Cat. Number/Size      | <b>PB-579-C025</b>                                                                                                                                                                  | <b>0.025 mg</b> |
|                       | <b>PB-579-C100</b>                                                                                                                                                                  | <b>0.1 mg</b>   |
|                       | <b>For Research Use Only.</b>                                                                                                                                                       |                 |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                         |                 |
| Antigen               | CD8a                                                                                                                                                                                |                 |
| Clone                 | 53-6.7                                                                                                                                                                              |                 |
| Format                | Pacific Blue™                                                                                                                                                                       |                 |
| Reactivity            | Mouse                                                                                                                                                                               |                 |
| Application           | FC (QC tested)                                                                                                                                                                      |                 |
| Application details   | Flow cytometry: Recommended dilution: 2-3 µg/ml.                                                                                                                                    |                 |
| Excitation laser      | violet (405 nm)                                                                                                                                                                     |                 |
| Isotype               | Rat IgG2a kappa                                                                                                                                                                     |                 |
| Specificity           | The rat monoclonal antibody 53-6.7 recognizes an extracellular epitope of murine CD8a (32-34 kDa; alpha chain of the CD8 antigen).                                                  |                 |
| Other names           | Ly-2, Ly-B, Ly-35, Lyt-2, BB154331                                                                                                                                                  |                 |
| Immunogen             | Murine spleen cells                                                                                                                                                                 |                 |
| Entrez Gene ID        | 12525                                                                                                                                                                               |                 |
| Gene name             | CD8a                                                                                                                                                                                |                 |
| NCBI Full Gene Name   | CD8a molecule                                                                                                                                                                       |                 |
| UniProt ID            | P01731                                                                                                                                                                              |                 |
| Concentration         | 0.5 mg/ml                                                                                                                                                                           |                 |
| Preparation           | Purified antibody is conjugated with Pacific Blue™ NHS ester 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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