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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|                       | Technical Data Sheet                                                                                                                                                                                                                  |               |
| Product               | <b>Anti-MICA/MICB FITC</b>                                                                                                                                                                                                            |               |
| Cat. Number/Size      | <b>1F-822-C100</b>                                                                                                                                                                                                                    | <b>0.1 mg</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                         |               |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                           |               |
| Antigen               | MICA/MICB                                                                                                                                                                                                                             |               |
| Clone                 | 6D4                                                                                                                                                                                                                                   |               |
| Format                | FITC                                                                                                                                                                                                                                  |               |
| Reactivity            | Human                                                                                                                                                                                                                                 |               |
| Application           | FC (QC tested)                                                                                                                                                                                                                        |               |
| Application details   | Flow cytometry: Recommended dilution: 2 µg/ml.                                                                                                                                                                                        |               |
| Excitation laser      | blue (488 nm)                                                                                                                                                                                                                         |               |
| Isotype               | Mouse IgG2a                                                                                                                                                                                                                           |               |
| Specificity           | The mouse monoclonal antibody 6D4 recognizes a common extracellular epitope on MICA and MICB glycoproteins, transmembrane ligands of CD314 (NKG2D), and is able to block CD314-mediated activation of NK cells and cytotoxic T cells. |               |
| Immunogen             | Transfected C1R cells expressing MICA                                                                                                                                                                                                 |               |
| Concentration         | 1 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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