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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                       | Technical Data Sheet                                                                                                                                                                                                       |                  |
| Product               | <b>Anti-Hu CD11b FITC</b>                                                                                                                                                                                                  |                  |
| Cat. Number/Size      | <b>1F-681-T025</b>                                                                                                                                                                                                         | <b>25 tests</b>  |
|                       | <b>1F-681-T100</b>                                                                                                                                                                                                         | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                              |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                |                  |
| Antigen               | CD11b                                                                                                                                                                                                                      |                  |
| Clone                 | ICRF44                                                                                                                                                                                                                     |                  |
| Format                | FITC                                                                                                                                                                                                                       |                  |
| Reactivity            | Human, Non-human primates                                                                                                                                                                                                  |                  |
| Application           | FC (QC tested)                                                                                                                                                                                                             |                  |
| Application details   | Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. |                  |
| Excitation laser      | blue (488 nm)                                                                                                                                                                                                              |                  |
| Isotype               | Mouse IgG1                                                                                                                                                                                                                 |                  |
| Specificity           | The mouse monoclonal antibody ICRF44 recognizes an extracellular epitope of CD11b (Mac-1alpha), a 165-170 kDa type 1 transmembrane protein mainly expressed on monocytes, granulocytes and NK-cells.                       |                  |
| Other names           | Mac-1, Integrin alpha M, ITGAM, CR3A, MO1A, MAC1A                                                                                                                                                                          |                  |
| Workshop              | HLDA IV: WS Code M047                                                                                                                                                                                                      |                  |
| Immunogen             | Rheumatoid synovial cells and human monocytes.                                                                                                                                                                             |                  |
| Entrez Gene ID        | 3684                                                                                                                                                                                                                       |                  |
| Gene name             | ITGAM                                                                                                                                                                                                                      |                  |
| NCBI Full Gene Name   | integrin subunit alpha M                                                                                                                                                                                                   |                  |
| UniProt ID            | P11215                                                                                                                                                                                                                     |                  |
| 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           | 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 | <a href="http://www.exbio.cz">www.exbio.cz</a>                                                                                                                                                                             |                  |

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