



Technical Data Sheet

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|-------------------------------------------------------------|---------------------------------------|------------------|
| Product                                                     | <b>Anti-Hu CD11b Alexa Fluor® 488</b> |                  |
| Cat. Number/Size                                            | <b>A4-681-T025</b>                    | <b>25 tests</b>  |
|                                                             | <b>A4-681-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              | Alexa Fluor® 488                                                                                                                                                                                                           |
| Reactivity          | Human, Non-human primates                                                                                                                                                                                                  |
| Application         | FC (QC tested), ICC                                                                                                                                                                                                        |
| 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 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.                                                                                                               |

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| Images and References | <a href="http://www.exbio.cz">www.exbio.cz</a> |
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