.EXBIO Praha, a.s. • Nad Safinou II 341 • 252 50 Vestec • Czech Republic
info@exbio.cz • technical@exbio.cz • orders@exbio.cz • www.exbio.cz

Technical Data Sheet

Product **Anti-Hu CD116 PE**

Cat. Number/Size

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| **1P-760-T025** | **25 tests** |
| **1P-760-T100** | **100 tests** |

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

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| Antigen | CD116 |
| Clone | 4H1 |
| Format | PE |
| Reactivity | Human |
| Application | FC (QC tested) |
| Application details | Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or $10^6$ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Excitation laser | blue (488 nm) |
| Isotype | Mouse IgG1 kappa |
| Specificity | The mouse monoclonal antibody 4H1 recognizes an extracellular epitope of human CD116, the GM-CSF receptor alpha subunit (approx. 80 kDa) expressed e.g. by neutrophils, eosinophils, monocytes and macrophages. |
| Other names | CSF2RA, GMR, CSF2R, SMDP4, GMCSFR |
| Immunogen | CD116-transfected COS cells |
| Entrez Gene ID | 1438 |
| Gene name | CSF2RA |
| NCBI Full Gene Name | colony stimulating factor 2 receptor alpha subunit |
| UniProt ID | P15509 |

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| Preparation | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. 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 | www.exbio.cz |



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