

Technical Data Sheet

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| Product          | <b>Anti-Hu CD38 APC</b>                                     |
| Cat. Number/Size | <b>1A-915-T100</b> <b>100 tests</b>                         |
|                  | <b>For Research Use Only.</b>                               |
|                  | <b>Not for use in diagnostic or therapeutic procedures.</b> |

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|---------------------|---|
| Antigen             | CD38  |
| Clone               | HB7   |
| Format              | APC   |
| 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 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.   |
| Excitation laser    | red (633 nm)  |
| Isotype             | Mouse IgG1 kappa  |
| Specificity         | The mouse monoclonal antibody HB7 (HB-7) recognizes an extracellular epitope within amino acids 273-285 of human CD38, a 45 kDa type II transmembrane glycoprotein strongly expressed mainly on plasma cells and activated T and B lymphocytes; it is an antigenic marker of lymphoid cells. Its binding is blocked by daratumumab. |
| Other names         | ADPRC1, cADPr hydrolase 1, T10, NAD(+) nucleosidase, ADP-ribosyl cyclase 1  |
| Workshop            | HCDM III  |
| Immunogen           | BJAB cell line  |
| Entrez Gene ID      | 952   |
| Gene name           | CD38  |
| NCBI Full Gene Name | CD38 molecule   |
| UniProt ID          | P28907  |

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| Preparation          | Purified antibody is conjugated with activated allophycocyanin (APC) 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 [www.exbio.cz](http://www.exbio.cz)

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