



|                       |  |                  |
|-----------------------|--|------------------|
|                       | Technical Data Sheet   |                  |
| Product               | <b>Anti-Hu CD34 PE</b>   |                  |
| Cat. Number/Size      | <b>1P-297-T025</b>   | <b>25 tests</b>  |
|                       | <b>1P-297-T100</b>   | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>  |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>  |                  |
| Antigen               | CD34   |                  |
| Clone                 | 4H11[APG]  |                  |
| Format                | PE   |                  |
| Reactivity            | Human  |                  |
| Application           | FC (QC tested), ICC  |                  |
| Application details   | Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.  |                  |
| Excitation laser      | blue (488 nm)  |                  |
| Isotype               | Mouse IgG1   |                  |
| Specificity           | The mouse monoclonal antibody 4H11[APG] reacts with extracellular class III epitope on CD34, a 110-115 kDa monomeric transmembrane phosphoglycoprotein expressed on hematopoietic progenitors cells and on the most pluripotential stem cells; it is gradually lost on progenitor cells. The antibody 4H11[APG] completely blocks binding of class III antibodies BIRMA K3 and 8G12 on KG1a cell line. |                  |
| Workshop              | HLDA VI: WS Code M MA58  |                  |
| Immunogen             | Permanent human cell line derived from peripheral leucocytes of a patient suffering from chronic myeloid leukaemia.  |                  |
| Entrez Gene ID        | 947  |                  |
| Gene name             | CD34   |                  |
| NCBI Full Gene Name   | CD34 molecule  |                  |
| UniProt ID            | P28906   |                  |
| 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.   |                  |
| Images and References | <a href="http://www.exbio.cz">www.exbio.cz</a>   |                  |

The product is intended For Research Use Only. Diagnostic or therapeutic applications are strictly forbidden. Products shall not be used for resale or transfer to third parties either as a stand-alone product or as a manufacture component of another product without written consent of EXBIO Praha, a.s. EXBIO Praha, a.s. will not be held responsible for patent infringement or any other violations of intellectual property rights that may occur with the use of the products. Orders for all products are accepted subject to the Term and Conditions available at [www.exbio.cz](http://www.exbio.cz). EXBIO, EXBIO Logo, and all other trademarks are property of EXBIO Praha, a.s.