



Technical Data Sheet

|                                                             |                                                                                                                                                                                                                                                                     |                  |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Product                                                     | <b>Anti-Hu CD140b APC</b>                                                                                                                                                                                                                                           |                  |
| Cat. Number/Size                                            | <b>1A-590-T025</b>                                                                                                                                                                                                                                                  | <b>25 tests</b>  |
|                                                             | <b>1A-590-T100</b>                                                                                                                                                                                                                                                  | <b>100 tests</b> |
| <b>For Research Use Only.</b>                               |                                                                                                                                                                                                                                                                     |                  |
| <b>Not for use in diagnostic or therapeutic procedures.</b> |                                                                                                                                                                                                                                                                     |                  |
| Antigen                                                     | CD140b                                                                                                                                                                                                                                                              |                  |
| Clone                                                       | 18A2                                                                                                                                                                                                                                                                |                  |
| 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                                                                                                                                                                                                                                                          |                  |
| Specificity                                                 | The monoclonal antibody 18A2 recognizes an extracellular epitope of CD140b / PDGF-RB, the 180-190 kDa beta chain of platelet-derived growth factor receptor, which is widely expressed on a variety of mesenchymal-derived cells and plays pro-proliferative roles. |                  |
| Other names                                                 | PDGFRB, PDGFR1                                                                                                                                                                                                                                                      |                  |
| Immunogen                                                   | CD140b-transfected NIH 3T3 cells                                                                                                                                                                                                                                    |                  |
| Entrez Gene ID                                              | 5159                                                                                                                                                                                                                                                                |                  |
| Gene name                                                   | PDGFRB                                                                                                                                                                                                                                                              |                  |
| NCBI Full Gene Name                                         | platelet derived growth factor receptor beta                                                                                                                                                                                                                        |                  |
| UniProt ID                                                  | Q59F04                                                                                                                                                                                                                                                              |                  |
| 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.                                                                                                                                                                                            |                  |
| 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.