

Technical Data Sheet

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|------------------|-------------------------------------------------------------|---------------|
| Product          | <b>Anti-Blood Group ABH PE</b>                              |               |
| Cat. Number/Size | <b>1P-812-C100</b>                                          | <b>0.1 mg</b> |
|                  | <b>For Research Use Only.</b>                               |               |
|                  | <b>Not for use in diagnostic or therapeutic procedures.</b> |               |

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| Antigen             | Blood Group ABH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clone               | HE-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Format              | PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Application         | FC (QC tested)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Application details | Flow cytometry: Recommended dilution: 2-5 µg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Excitation laser    | blue (488 nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype             | Mouse IgM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity         | The mouse monoclonal antibody HE-10 agglutinates erythrocytes of group A, and is excellent as a tumour marker in patients of blood group B and O. It does not agglutinate erythrocytes of group B and O. Study with specific oligosaccharides showed that the antibody HE-10 reacts with A and H antigens with chain types 3 and 4 and it does not react with A disaccharide, A trisaccharide, A type 1, A type 2, ALe <sup>b</sup> . The antibody HE-10 does not react with normal tissue sections of donors with blood group B and O but it reacts specifically with malignant tissues. |
| Immunogen           | Mixture of erythrocytes of group A1 and glycoprotein fraction isolated from saliva of secretors with blood group A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| Concentration        | 0.1 mg/ml                                                                                                                                                                     |
| 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 Tris buffered saline (TBS), pH 8.0, 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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