



Technical Data Sheet

|                  |                                                             |                  |
|------------------|-------------------------------------------------------------|------------------|
| Product          | <b>Anti-Hu CD117 Alexa Fluor® 700</b>                       |                  |
| Cat. Number/Size | <b>A7-586-T100</b>                                          | <b>100 tests</b> |
|                  | <b>For Research Use Only.</b>                               |                  |
|                  | <b>Not for use in diagnostic or therapeutic procedures.</b> |                  |

|                     |                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antigen             | CD117                                                                                                                                                                                                                      |
| Clone               | 104D2                                                                                                                                                                                                                      |
| Format              | Alexa Fluor® 700                                                                                                                                                                                                           |
| Reactivity          | Non-human primates, Human, Cow                                                                                                                                                                                             |
| Application         | FC (QC tested)                                                                                                                                                                                                             |
| Application details | Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. |
| Excitation laser    | red (633 nm)                                                                                                                                                                                                               |
| Isotype             | Mouse IgG1 kappa                                                                                                                                                                                                           |
| Specificity         | The mouse monoclonal antibody 104D2 detects extracellular part of CD117 / c-Kit protooncogen.                                                                                                                              |
| Other names         | c-Kit, PBT, SCFR                                                                                                                                                                                                           |
| Workshop            | HLDA VI: WS Code C-30                                                                                                                                                                                                      |
| Immunogen           | MOLM-1 megakaryocytic cells                                                                                                                                                                                                |
| Entrez Gene ID      | 3815                                                                                                                                                                                                                       |
| Gene name           | KIT                                                                                                                                                                                                                        |
| NCBI Full Gene Name | KIT proto-oncogene, receptor tyrosine kinase                                                                                                                                                                               |
| UniProt ID          | P10721                                                                                                                                                                                                                     |

|                      |                                                                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Preparation          | Purified antibody is conjugated with Alexa Fluor® 700 NHS ester 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 | www.exbio.cz |
|-----------------------|--------------|

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. EXBIO, EXBIO Logo, and all other trademarks are property of EXBIO Praha, a.s.

Alexa Fluor®, Pacific Blue™ and Pacific Orange™ are registered trademarks of Life Technologies Corporation.

This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com.