



## TECHNICAL DATA SHEET

### *Purified Human Fc Monoclonal Antibody*

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRODUCT DESCRIPTION                | Anti-TPO monoclonal antibody, IgG, clone A12F10, purified                                                                                                                                                                                                                                                                                                                                      |
| PRODUCT RANGE                      | Auto-Immunity                                                                                                                                                                                                                                                                                                                                                                                  |
| REFERENCE                          | 20027                                                                                                                                                                                                                                                                                                                                                                                          |
| DESIGN/DEVELOPMENT                 | After immunization of Gamma® mouse, a transgenic mouse whose sequence for the Ig heavy chain constant region is replaced by a human IgG sequence, a hybridoma cell line has been established.                                                                                                                                                                                                  |
| ANTIGEN OF IMMUNISATION            | Recombinant human thyroid peroxidase (TPO), (Hytest; #8RTPO)                                                                                                                                                                                                                                                                                                                                   |
| PURIFICATION                       | Purification from hybridoma culture supernatant by affinity chromatography                                                                                                                                                                                                                                                                                                                     |
| BUFFER                             | 0.05 M Tris-HCl, 0.2 M NaCl, 0.01 M Glycine, 0.25 M Trehalose pH 7.4                                                                                                                                                                                                                                                                                                                           |
| PRESERVATIVES                      | 0.02% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                             |
| STORAGE                            | Between + 2°C and + 8 °C or aliquot and store frozen<br>Avoid repeated freeze/thaw cycles                                                                                                                                                                                                                                                                                                      |
| EXPIRY DATE                        | <i>Please see batch COA</i>                                                                                                                                                                                                                                                                                                                                                                    |
| SAFETY STATEMENT                   | Noninfectious – biological product from in vitro production                                                                                                                                                                                                                                                                                                                                    |
| CONCENTRATION                      | <i>Please see batch COA</i>                                                                                                                                                                                                                                                                                                                                                                    |
| IMMUNO-REACTIVITY (NON-EXHAUSTIVE) | Validated by ELISA                                                                                                                                                                                                                                                                                                                                                                             |
| RECOMMENDATED USE                  | <p>Product for research or further manufacturing use only.</p> <p>Suitable for ELISA (manual or automated). Please try the sample diluted 100 time then dilute it sequentially by a factor of 2 (i.e., 1/200, 1/400, 1/800, etc).</p> <p>Suitable for automated systems. Please try the sample diluted 10 time then dilute it sequentially by a factor of 2 (i.e., 1/20, 1/40, 1/80, etc).</p> |

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