

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Human TPO(Thyroid Peroxidase) ELISA Kit EBT-ELK2316

|                            |  |
|----------------------------|--|
| Article Name               | Human TPO(Thyroid Peroxidase) ELISA Kit          |
| Biozol Catalog Number      | EBT-ELK2316                                      |
| Supplier Catalog Number    | ELK2316  |
| Alternative Catalog Number | EBT-ELK2316-96, EBT-ELK2316-48, EBT-ELK2316-96X5 |
| Manufacturer               | ELK Biotechnology                                |
| Category                   | Kits/Assays                                      |
| Species Reactivity         | Human  |
| Concentration              | 1000 pg/mL                                       |
| Range                      | 15.63-1000 pg/mL                                 |
| Sensitivity                | 6 pg/mL  |
| UniProt                    | <a href="#">P07202</a>                           |
| Samples                    | Serum, plasma and other biological fluids        |

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Hematology, Hormone metabolism,. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human TPO. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human TPO. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human TPO, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Human TPO in the samples is then determined by comparing the OD of the samples to the standard curve