## **Datasheet**

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CATALOGUE #: 8RTP0

PRODUCT NAME: Recombinant human thyroid peroxidase (TPO)

**Source:** Expressed in an insect cell line

**Description** Soluble extracellular domain of human TPO (amino acid residues 19-846).

Molecular weight 91981 Da. Does not contain any tags.

**Application:** To be used as an antigen in the assays for the detection of human TPO-specific autoantibodies.

**Analysis:** Purity > 95% (SDS-PAGE)

Immunological activity:

Immunoreactivity of recombinant human TPO is checked in ELISA with blood samples from the

patients with anti-TPO autoantibodies.

**Purification:** Affinity and ion exchange chromatography

Presentation: Lyophilized from 20 mM Tris-HCl, pH 8.0, 250 mM NaCl, 0.1 mM Kl, 5% D-mannitol.

It is recommended to reconstitute this product with deionized water to its initial concentration.

Storage: Lyophilized -20°C (-15 ... -30 °C allowed)

Reconstituted -70°C (-65 ... -80 °C allowed)

Other information: Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.

It is recommended to use 20 mM Tris-HCl, pH 8.0, 250 mM NaCl, 0.1 mM KI, to prepare diluted

samples.

Material safety note:

This product is sold for research or further manufacturing use only. Standard Laboratory Practices

should be followed when handling this material.

