

## **PRODUCT DATA SHEET**

<b>Product Data Sheet:</b>	Sheep Monoclonal Antibodies (SMAs) to: <b>Thyroxine (T4)</b>
<b>SMA Covered</b>	<b>T4.1C4, T4.2E5, T4.3G4; T4.3G8</b>
<b>Production Description</b>	Thyroxine (T4) is a tyrosine-based hormone produced by the thyroid gland that is primarily responsible for the regulation of metabolism.

### **Manufacturing Specification (all SMAs)**

<b>Parameter</b>	<b>Specification</b>	<b>Test Method</b>
<b>Buffer and pH</b>	PBS +0.1% Sodium azide at 7.3-7.4	pH Meter
<b>Antibody Concentration</b>	1-3 mg/mL	A <sub>280</sub> (E <sub>c</sub> = 1.4)
<b>Purity and Aggregates</b>	Single Main Peak ≥90%	Size Exclusion HPLC
<b>Immunological Activity</b>	±20% biological activity of frozen reference standard	In house ELISA

### **Conjugate Reactivity**

In ELISAs performed at Bioventix, the antibodies can bind to many commercially available T3 and T4 conjugates (not supplied by Bioventix).

### **Isoelectric Focussing**

T4.1C4: 7.0-7.5

T4.2E5: 7.5-8.0

T4.3G4: 6.0-6.5

T4.3G8: 7.5-8.0

**Note:** for *in vitro* diagnostic use only

Datasheet last revised July 2014