

## **PRODUCT DATA SHEET**

<b>Product Data Sheet:</b>	Sheep Monoclonal Antibody (SMA) to <b>T3 (triiodothyronine)</b>
<b>SMA Covered</b>	<b>T3.17C6r</b>
<b>Introduction and Production Description</b>	Free <b>T3</b> and total T3 assays are of interest as part of thyroid function analysis. Such assays measuring low levels of T3 require high affinity antibodies such as T3.17C6r.

### **Manufacturing Specification**

<b>Parameter</b>	<b>Specification</b>	<b>Test Method</b>
<b>Buffer and pH</b>	PBS +0.1% Sodium azide at 7.2-7.4	pH Meter
<b>Antibody Concentration</b>	1-3 mg/mL	A280 (E <sub>c</sub> = 1.4)
<b>Purity and Aggregates</b>	Single Main Peak ≥95%	Size Exclusion HPLC
<b>Immunological Activity</b>	±20% biological activity of frozen reference standard	In house ELISA

### **ELISA DATA: Conjugate Reactivities and Affinities**

	<b>T3.17C6r</b>
<b>T3-BSA</b>	High
<b>T4-BSA</b>	-

### **ELISA DATA: Free T3 Affinity and T4 Cross-Reactivities**

	<b>T3.17C6r</b>
<b>FT3 affinity (IC<sub>50</sub>%)</b>	100 pg/mL
<b>T4 cross-reactivity</b>	<1%