

PRODUCT DATA SHEET

Product Data Sheet:	Sheep Monoclonal Antibody (SMA) to T3 (triiodothyronine)
SMA Covered	T3.17C6
Introduction and Production Description	Free T3 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 T3.17C6.

Manufacturing Specification

Parameter	Specification	Test Method
Buffer and pH	PBS +0.1% Sodium azide at 7.2-7.4	pH Meter
Antibody Concentration	1-3 mg/mL	A280 (E _c = 1.4)
Purity and Aggregates	Single Main Peak ≥90%	Size Exclusion HPLC
Immunological Activity	±20% biological activity of frozen reference standard	In house ELISA

ELISA DATA: Conjugate Reactivities and Affinities

	T3.17C6
T3-BSA	High
T4-BSA	-

ELISA DATA: Free T3 Affinity and T4 Cross-Reactivities

	T3.17C6
FT3 affinity (IC₅₀%)	100 pg/mL
T4 cross-reactivity	<1%