

## **PRODUCT DATA SHEET**

<b>Product Data Sheet:</b>	Sheep Monoclonal Antibodies (SMAs) to: <b>androstenedione (andro)</b>
<b>SMA Covered</b>	<b>andro.3C3, andro.3H10 &amp; andro.4G8</b>
<b>Production Description</b>	Androstenedione is an androgenic steroid hormone produced by the adrenal cortex and the gonads. The biological importance of andro is greater in women and it is for andro testing in females that these high affinity anti-andro SMAs are intended.

### **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	A280 (Ec = 1.4)
<b>Purity and Aggregates</b>	Single Main Peak $\geq$ 95%	Size Exclusion HPLC
<b>Immunological Activity</b>	$\pm$ 20% biological activity of frozen reference standard	In house ELISA

### **ELISA DATA: Conjugate Reactivities (all SMAs)**

	<b>Andro-6<math>\alpha</math>-BSA</b>	<b>Andro-6<math>\beta</math>-BSA</b>	<b>Andro-7-BSA</b>
<b>Conjugate affinity</b>	High	medium	medium

### **ELISA DATA: Free Steroid Binding (andro = 100%)**

	<b>Testo</b>	<b>Estrone</b>	<b>17-O prog</b>	<b>DHEA</b>	<b>DHEA-Sulph.</b>
<b>% cross-reactivity</b>	0.1%	<0.01%	<0.01	<0.1	<0.001