

PRODUCT DATA SHEET

Product Data Sheet:	Sheep Monoclonal Antibodies (SMAs) to hCG (human chorionic gonadotrophin)
SMAs Covered	Various (see below)
Production Description	Sheep monoclonal antibodies purified from tissue culture supernatants by Protein A. Store SMAs at +4°C – small aliquots can be snap-frozen and stored at –80°C

Manufacturing Specification (all SMAs)

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: Epitope recognition

Clones	11E7	4F9 & 8F11	12F6	4D8
Possible epitope	Beta 1	Beta 3	C terminal	carbohydrate
hCG intact	✓	✓	✓	✓
hCG nicked	✓	✓	✓	✓
hCG beta (free?)	✓	✓	X	X
hCG nicked beta	✓	✓	X	X
Beta core fragm't	✓	✓	X	X
LH	X	X	X	X