

PRODUCT DATA SHEET

Product Data Sheet:	Sheep Monoclonal Antibodies (SMAs) to: parathyroid hormone (PTH)
SMA Covered	N terminal (1-6): PTH.3E8 Mid region (44-68): PTH.1B9, PTH.1D4 C terminal (64-84): PTH.3B8
Production Description	The measurement of PTH is used to assess disorders of calcium metabolism.

SMA Clone specificity

		SMA Clone			
		3E8	1B9	1D4	3B8
PTH Coat	1-84				
	1-20				
	7-26				
	14-34				
	25-45				
	35-55				
	44-68				
	64-84				

ELISA pairing analysis

		Biotinylated SMA clone			
		3E8	1B9	1D4	3B8
SMA Coat	3E8	-	++	+	+++
	1B9	+++	-	+	++
	1D4	+++	+	-	++
	3B8	+++	+	+	-

Manufacturing Specification (all SMAs)

Parameter	Specification	Test Method
Buffer and pH	PBS +0.1% Sodium azide at 7.3-7.4	pH Meter
Antibody Concentration	1-3 mg/mL	A ₂₈₀ (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