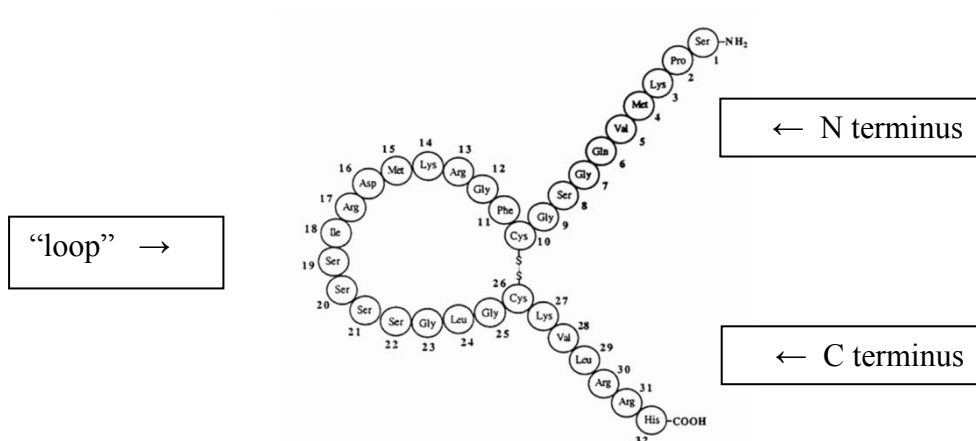# *PRODUCT DATA SHEET*

Product Data Sheet:	Sheep Monoclonal Antibodies (SMAs) to: **brain natriuretic peptide (BNP)**
SMA Covered	**N terminal group: BNP.2E2, BNP.4G8** **"loop" group: BNP.3E7, BNP.9C5, BNP.5G7** **C terminal group: BNP.2F3, BNP.4H8, BNP.10F6**
Production Description	BNP is a peptide hormone that has been extensively studied in cardiology and is used as a marker of heart failure.

"loop" →   ← N terminus   ← C terminus

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} (Ec = 1.4)
Purity and Aggregates	Single Main Peak ≥90%	Size Exclusion HPLC
Immunological Activity	±20% biological activity of frozen reference standard	In house ELISA

Antibody Pairing

Careful choice of antibodies is likely to be required in order to achieve agreement with an established BNP assay.

Note: for *in vitro* diagnostic use only