

Antibody for BONE METABOLISM MARKERS

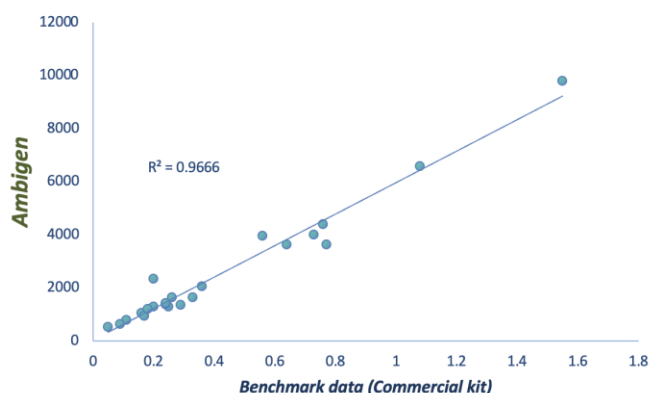
CTX-I (Bone Resorption) & PINP (Bone Formation)

Clinical Applications:

- Combined use of CTX + PINP provides complete bone turnover evaluation
- Early detection of high bone turnover in osteoporosis patients
- Monitoring anti-resorptive therapy (bisphosphonates, denosumab) and anabolic therapy (teriparatide)
- Predicting fracture risk and treatment response in clinical trials

1. CTX-I - C-Terminal Telopeptide of Type I Collagen

Performance assessment of CTX-1 Antibody



Validation Results

✓ Correlation coefficient $R^2 = 0.9666$

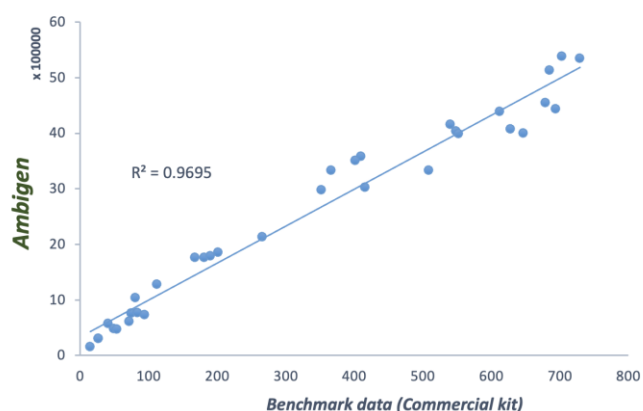
✓ Sample size: $n = 22$

Performance Summary

Excellent linear correlation observed between AmbiGen reagents and R company reference method. The assay demonstrates high sensitivity for detecting bone resorption activity, making it ideal for osteoporosis monitoring and treatment assessment.

2. PINP - N-Terminal Propeptide of Type I Procollagen

Performance assessment of PINP Antibody



Validation Results

✓ Correlation coefficient $R^2 = 0.9695$

✓ Sample size: $n = 34$

Performance Summary

Strong correlation with commercial kit reference values across a wide concentration range. This bone formation marker complements CTX for comprehensive bone metabolism assessment, essential for evaluating anabolic therapy efficacy.

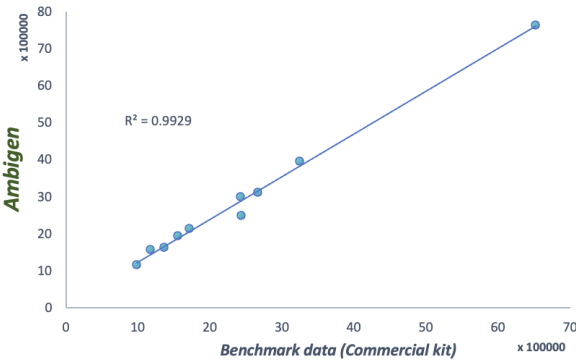
Product	Source	Catalog number	Application platform
CTX-I Capture Antibody	Mouse ascites	ABCTXI-001/ABCTXI-004	ELISA CLIA LFIA
CTX-I Detection Antibody	Mouse ascites	ABCTXI-002/ABCTXI-003	ELISA CLIA LFIA
CTX-I Antigen	Native Ag	ABCTXI-006	ELISA CLIA LFIA
PINP Capture Antibody	Mouse ascites	ABP1NP-001/ABP1NP-002	ELISA CLIA LFIA
PINP Detection Antibody	Mouse ascites	ABP1NP-003	ELISA CLIA LFIA
PINP Antigen	Recombinant Ag	ABP1NP-004	ELISA CLIA LFIA

BONE METABOLISM MARKERS

BAP (Alkaline Phosphatase) & OC (Osteocalcin)

3. BAP - Bone-Specific Alkaline Phosphatase

Performance assessment of BAP Antibody



Validation Results

✓ Correlation coefficient $R^2 = 0.9929$

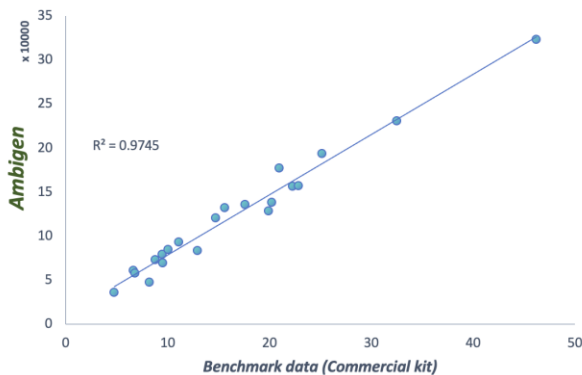
✓ Sample size: $n = 10$

Performance Summary

Outstanding linearity observed in calibration curve ($R^2 = 0.9929$). The assay shows excellent precision and sensitivity for measuring osteoblast activity, particularly valuable for monitoring Paget's disease and bone metastases.

4. OC - Osteocalcin (Bone Gla Protein)

Performance assessment of OC Antibody



Validation Results

✓ Correlation coefficient $R^2 = 0.9745$

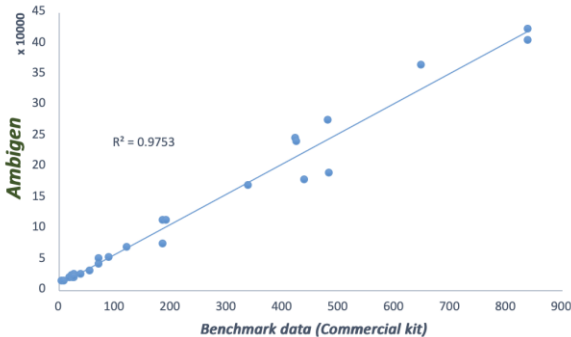
✓ Sample size: $n = 25$

Performance Summary

Exceptional correlation with reference method ($R^2 = 0.9745$) across physiological concentration range. As the most abundant non-collagenous bone matrix protein, OC provides valuable insights into bone mineralization and vitamin K status.

5. PTH - Parathyroid Hormone

Performance assessment of PTH Antibody



Validation Results

✓ Correlation coefficient $R^2 = 0.9753$

✓ Sample size: $n = 27$

Performance Summary

Robust correlation with Roche full-length PTH assay ($R^2 = 0.9753$). As the master regulator of calcium homeostasis, accurate PTH measurement is critical for diagnosing parathyroid disorders, managing CKD-MBD, and evaluating calcium metabolism abnormalities.

Product	Source	Catalog number	Application platform
BAP Capture Antibody	Mouse ascites	ABBAP-001	ELISA CLIA LFIA
BAP Detection Antibody	Mouse ascites	ABBAP-002	ELISA CLIA LFIA
BAP Antigen	Recombinant Ag	ABBAP-003	ELISA CLIA LFIA
PTH Capture Antibody	Mouse ascites	ABPTH-001	ELISA CLIA LFIA
PTH Detection Antibody	Mouse ascites	ABPTH-002	ELISA CLIA LFIA
PTH Antigen	Recombinant Ag	ABPTH-003	ELISA CLIA LFIA
OC Capture Antibody	Mouse ascites	ABOC-001	ELISA CLIA LFIA
OC Detection Antibody	Mouse ascites	ABOC-002W	ELISA CLIA LFIA
OC Antigen	Synthetic peptide	ABOC-003	ELISA CLIA LFIA