TRACP-5b (Tartrate-Resistant Acid Phosphatase-5b)

**Analyte:** Tartrate-resistant acid phosphatase-5b

**Specimen Type:** Serum, Inquire for additional option(s)

**Optimum Volume:** 0.5 mL

Temperature:
- 2–8°C
- -20°C
- -70°C

Storage:
- 1 day
- 2 months
- 1 year

**Reporting units:** U/L

**Method:** ELISA

**Biological or Clinical Significance:**
Tartrate-resistant acid phosphatase (TRACP) is expressed in bone-resorbing osteoclasts and secreted into the circulation. Thus, serum TRACP has been considered as a potentially useful marker of bone resorption rate.

BoneTRAP® is specific for circulating osteoclast-derived TRACP-5b. BoneTRAP® detects only the active TRACP molecules that are freshly liberated in the circulation. It does not detect old circulating inactive TRACP molecules or fragments. Thus, BoneTRAP® gives an accurate estimation of the amount of bone resorption rate at the time of sample taking.

**Principle of Test Method:**
The TRACP-5b assay is a solid-phase ELISA designed to measure human TRACP-5b in serum or plasma. It is an immunofixed enzyme activity assay.