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BA027 Human Alkaline phosphatase / PLAP / ALPP

Alternate names: Alkaline phosphatase, Alkaline phosphatase Regan isozyme, PLAP-1, placental type

Quantity: 0.1 kU

Background: Alkaline phosphatases are phosphodiesterases. The placental-specific isozyme of Alkaline Phosphatase (PLAP) is found in trophoblast cells of normal human mature placenta, seminomas of testis and ovarian carcinomas. Detection of alkaline phosphatase in serum is a marker for ovarian and testicular cancer.

Uniprot ID: P05187

NCBI: NP_001623.3

GeneID: 250

Species: Human

Source: Placenta, Human placenta

Format:
State: Lyophilized
Purity: 750U/mg 95% protein (by Biuret).
Reconstitution: Restore with sterile water or dilution buffer.

Applications:
ELISA.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description:
Purified native human Alkaline Phosphatase (AP)
Specific Activity: 1125 U/mg protein, 1069 U/mg solid
One unit liberates one micromole of p-nitrophenol per minute at 37°C, pH 10.15 in Tris buffer.

Storage:
Prior to and following reconstitution store (undiluted) at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Caution: Source material supplied to your facility has been tested negative for Hepatitis and HIV. Nevertheless, all products from human sources should be handled as potentially infectious.