

## Mouse Anti-Human Placental Alkaline Phosphatase Monoclonal Antibody (Placenta)

**Cat. No.** CAB-921RH    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                          |                                                                                                                                                                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>           | Human                                                                                                                                                                                                                                                             |
| <b>Source</b>            | Mouse                                                                                                                                                                                                                                                             |
| <b>Specificity</b>       | Human Placental Alkaline Phosphatase                                                                                                                                                                                                                              |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                                                                                                        |
| <b>Positive Control</b>  | Placenta                                                                                                                                                                                                                                                          |
| <b>Staining Pattern</b>  | Cytoplasm                                                                                                                                                                                                                                                         |
| <b>Specificity Note</b>  | 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 |
| <b>Applications</b>      | Formalin-fixed paraffin-embedded tissue, or IHC frozen sections. No antigen retrieval necessary.                                                                                                                                                                  |
| <b>Recommended Usage</b> | IHC test, research use only. Incubate with samples at RT for 60min or at 4°C overnight.                                                                                                                                                                           |

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>             | 2-8°C for 12 months.                                                                                                                                                                                                                                             |
| <b>Unit</b>                | Can be packed on the basis of your request.                                                                                                                                                                                                                      |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>           | ALPP alkaline phosphatase, placental (Regan isozyme) [ Homo sapiens ]                                                                                                                                                                                            |
| <b>Synonyms</b>            | ALPP; alkaline phosphatase, placental (Regan isozyme); ALP; PALP; PLAP; FLJ61142; Alkaline phosphatase, placental type; PLAP-1; Alkaline phosphatase Regan isozyme; EC 3.1.3.1; glycerophosphatase; placental alkaline phosphatase; alkaline phosphomonoesterase |
| <b>Gene ID</b>             | 250                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>         | NM_001632                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_001623                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 171800                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | P05187                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 2q37                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | Folate biosynthesis; Metabolic pathways; gamma-Hexachlorocyclohexane degradation                                                                                                                                                                                 |
| <b>Function</b>            | alkaline phosphatase activity; hydrolase activity; magnesium ion binding; zinc ion binding                                                                                                                                                                       |

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