

Immunotag™ Placental Alkaline Phosphatase(PLAP) (ABT-PLAP) mouse mAb

| Antibody Specification | |
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| Catalog No. | ITM6087 |
| Product Description | Immunotag™ Placental Alkaline Phosphatase(PLAP) (ABT-PLAP) mouse mAb |
| Size | 50 µg, 100 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein | PLAP (1F2) |
| Clonality | Monoclonal |
| Storage/Stability | -20°C/1 year |
| Application | IHC-p |
| Recommended Dilution | IHC-p 1:100-500 |
| Concentration | 1 mg/ml |
| Reactive Species | Human |
| Host Species | Mouse |
| Immunogen | Synthesized peptide derived from human Placental Alkaline Phosphatase(PLAP) |
| Specificity | This antibody detects endogenous levels of human Placental Alkaline Phosphatase(PLAP) |
| Purification | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Gene Name | ALPP PLAP |
| Accession No. | P05187 |
| Alternate Names | Alkaline phosphatase, placental type (EC 3.1.3.1) (Alkaline phosphatase Regan isozyme) (Placental alkaline phosphatase 1) (PLAP-1) |

Antibody Specification

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| Description | alkaline phosphatase, placental(ALPP) Homo sapiens The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. The protein is primarily expressed in placental and endometrial tissue; however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. [provided by RefSeq, Jan 2015], |
| Cell Pathway/ Category | Folate biosynthesis, |
| Protein Expression | Cervix,Placenta, |
| Subcellular Localization | Cytoplasmic |
| Protein Function | catalytic activity:A phosphate monoester + H(2)O = an alcohol + phosphate.,cofactor:Binds 1 magnesium ion.,cofactor:Binds 2 zinc ions.,miscellaneous:In most mammals there are four different isozymes: placental, placental-like, intestinal and tissue non-specific (liver/bone/kidney).,online information:Alkaline phosphatase entry,polymorphism:Placental ALP is highly polymorphic, there are at least three common alleles.,similarity:Belongs to the alkaline phosphatase family.,subunit:Homodimer., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |