

Product datasheet for **DRM017**

Alkaline Phosphatase (ALPP) Rabbit Monoclonal Antibody [Clone ID: SP15]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SP15
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on formalin-fixed paraffin embedded sections: dilute 1:100 in an ABC method (30 minutes at room temperature). Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining. Recommended Positive Control: Placenta
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein encoding human Placental Alkaline Phosphatase (PLAP)
Specificity:	This antibody reacts with a membrane-bound isoenzyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. This antibody is highly specific to PLAP and shows no cross-reaction with other isoenzymes of alkaline phosphatases. It is useful in the identification of testicular germ cell tumors. Unlike germ cell tumors, PLAP-positive somatic cell tumors uniformly express epithelial membrane antigen (EMA). Cellular Localization: Cytoplasmic
Formulation:	State: Supernatant State: Liquid tissue culture supernatant containing sodium azide as preservative
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	alkaline phosphatase, placental
Database Link:	Entrez Gene 250 Human P05187



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- 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.
- Synonyms:** PLAP-1, Alkaline phosphatase Regan isozyme