

## Mouse Anti-Placental alkaline phosphatase (PLAP)antibody

SLM-34165M

<b>Product Name</b>	Placental alkaline phosphatase (PLAP)
<b>Chinese Name</b>	碱性磷酸酶抗体
<b>Alias</b>	Alkaline phosphatase; Alkaline phosphatase placental; Alkaline phosphatase placental type; Alkaline phosphatase Regan isozyme; ALP; Alp1; ALPP; FLJ61142; Germ-cell alkaline phosphatase; nagao isozyme; OTTHUMP00000164354; PALP; Placental alkaline phosphatase 1; placental heat-stable alkaline phosphatase; placental type; PLAP; PLAP-1; PLAP1; PPB1_HUMAN.
<b>Immunogen Species</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone NO.</b>	5C9
<b>React Species</b>	Human
<b>Applications</b>	WB=1:500-2000 optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	53kDa
<b>Cellular localization</b>	The cell membrane
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human Placental alkaline phosphatase
<b>Lsotype</b>	IgG1/kappa
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 2% sodium azide.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

**PubMed**

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There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2 while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane bound glycosylated enzyme, also referred to as the heat stable form, that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. The coding sequence for this form of alkaline phosphatase is unique in that the 3' untranslated region contains multiple copies of an Alu family repeat. In addition, this gene is polymorphic and three common alleles (type 1, type 2 and type 3) for this form of alkaline phosphatase have been well characterized. [provided by RefSeq, Jul 2008]

**Subunit:**  
Homodimer.

**Subcellular Location:**  
Cell membrane; Lipid-anchor, GPI-anchor.

**Product Detail**

**Tissue Specificity:**  
Trace amounts in the testis and thymus, and in elevated amounts in germ cell tumors.

**Similarity:**  
Belongs to the alkaline phosphatase family.

**SWISS:**  
P05187

**Gene ID:**  
25

**Database links:**

[Entrez Gene: 250](#) Human

[Omim: 171800](#) Human

[SwissProt: P05187](#) Human

[Unigene: 284255](#) Human



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