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## Placental alkaline phosphatase (PLAP) Mouse mAb

Catalog Number: bsm-34165M

Target Protein: Placental alkaline phosphatase (PLAP)

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 5C9

Isotype: IgG1/kappa

Applications: **WB** (1:500-2000)

Reactivity: Human

Predicted MW: 53 kDa

Subcellular: Cell membrane

Locations:

Entrez Gene: 250

Swiss Prot: P05187

Purification: affinity purified by Protein A

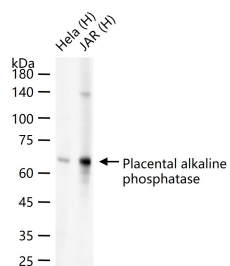
Storage: Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Proclin300.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** 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]

### VALIDATION IMAGES

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25 ug total protein per lane of various lysates (see on figure) probed with Placental alkaline phosphatase (PLAP) monoclonal antibody, unconjugated (bsm-34165M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.