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## 36-1157: Monoclonal Antibody to Alkaline Phosphatase (Placental) / PLAP (Germ Cell Tumor Marker)(Clone : GM022)

Clonality: Monoclonal GM022 **Clone Name:** Application: WB,IHC Reactivity: Human Gene: ALPP Gene ID: 250 **Uniprot ID:** P05187 Format: **Purified Alternative Name:** ALPP.PLAP

**Isotype:** Mouse IgG2b, kappa

Immunogen Information: Recombinant human PLAP protein

## **Description**

Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase. Anti-PLAP reacts with germ cell tumors and can discriminate between these and other neoplasms. Somatic neoplasms e.g. breast, gastrointestinal, prostatic, and urinary cancers may also immunoreact with antibodies to PLAP. Anti-PLAP positivity in conjunction with anti-keratin negativity favors seminoma over carcinoma. Germ cell tumors are usually anti-keratin positive, but they regularly fail to stain with anti-EMA, whereas most carcinomas stain with anti-EMA. Anti-PLAP has been useful in the diagnosis of gestational trophoblastic disease.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

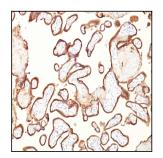
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT)(No special pretreatment is required for the immunohistochemical staining of formalin-fixed tissues.)



Formalin-fixed, paraffin-embedded human Placenta stained with PLAP Monoclonal Antibody (GM022).