

Placental alkaline phosphatase Conjugated Antibody

Catalog No: #C49615



Package Size: #C49615-AF350 100ul #C49615-AF405 100ul #C49615-AF488 100ul
#C49615-AF555 100ul #C49615-AF594 100ul #C49615-AF647 100ul
#C49615-AF680 100ul #C49615-AF750 100ul #C49615-Biotin 100ul

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Description

| | |
|-----------------------|---|
| Product Name | Placental alkaline phosphatase Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Clone No. | JM22-53 |
| Purification | ProA affinity purified |
| Species Reactivity | Hu |
| Immunogen Description | recombinant protein |
| Other Names | Alkaline phosphatase antibody Alkaline phosphatase placental antibody Alkaline phosphatase placental type antibody Alkaline phosphatase Regan isozyme antibody ALP antibody Alp1 antibody ALPP antibody FLJ61142 antibody Germ-cell alkaline phosphatase antibody nagao isozyme antibody OTTHUMP00000164354 antibody PALP antibody Placental alkaline phosphatase 1 antibody placental heat-stable alkaline phosphatase antibody placental type antibody PLAP antibody PLAP-1 antibody PLAP1 antibody PPB1_HUMAN antibody |
| Accession No. | Swiss-Prot#:P05187 |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Calculated MW | 70 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

Background

Alkaline phosphatases (AP) are glycosyl-phosphatidylinositol (GPI)-anchored, dimeric, Zn²⁺-metallated glycoproteins that catalyze the hydrolysis of phosphomonoesters into an inorganic phosphate and an alcohol. Placental alkaline phosphatase (also known as PLAP, ALPP, PALP, placental ALP-1 or Regan isozyme) is a 530 amino acid, tissue-specific AP that is expressed in the placenta, the serum of pregnant women and ectopically expressed in various cancers, including those of the ovary and testis. PLAP may assist in guiding migratory cells and transporting specific molecules, such as

fatty acids and immunoglobulins, across the plasma membrane. The three tissue-specific APs identified in human, PLAP, germ cell AP (GCAP) and intestinal AP, are 90-98% homologous and their genes are clustered on chromosome 2q.

References

Note: This product is for in vitro research use only