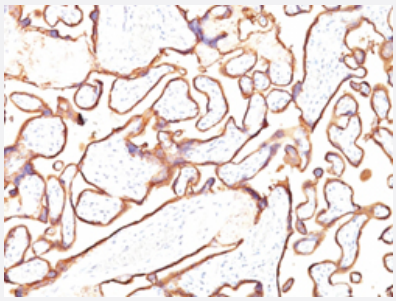
ALPP monoclonal antibody, clone PL8-F6

Catalog # MAB14268 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with ALPP monoclonal antibody, clone PL8-F6 (Cat # MAB14268).

Specification

Product Description	Mouse monoclonal antibody raised against native human ALPP.
Immunogen	Native purified human ALPP.
Host	Mouse
Theoretical MW (kDa)	70
Reactivity	Human
Specificity	This monoclonal antibody reacts with a membrane-bound isozyme (Regan and Nagao type) of ALPP occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and show s no cross-reaction with other isozymes of alkaline phosphatase.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b, kappa

Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL) Immunohistochemistry (Frozen sections) (0.25-0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with ALPP monoclonal antibody, clone PL8-F6 (Cat # MAB14268).

- Immunohistochemistry (Frozen sections)
- Immunofluorescence
- Flow Cytometry

Gene Info — ALPP

Entrez GeneID	250
Protein Accession#	P05187
Gene Name	ALPP
Gene Alias	ALP, FLJ61142, PALP, PLAP
Gene Description	alkaline phosphatase, placental (Regan isozyme)
Omim ID	171800
Gene Ontology	Hyperlink

Gene Summary	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
Other Designations	alkaline phosphomonoesterase|glycerophosphatase|placental alkaline phosphatase

Pathway

- Folate biosynthesis
- gamma-Hexachlorocyclohexane degradation
- Metabolic pathways

Disease

- Birth Weight
- Fetal Death