ALPP monoclonal antibody

Catalog: MB66095 Host: Mouse Reactivity: Human

BackGround:

Mammalian alkaline phosphatases (APs) are highly conserved zinc-containing allosteric enzymes that are able to hydrolyze and transphosphorylate a wide range of compounds. There are four known human alkaline phosphatase isozymes: TNAP (tissue-nonspecific; bone/liver/kidney), ALPP (placental), ALPP2 (germ cell), and ALPI (intestinal). Placental alkaline phosphatase (ALPP) is bound to the plasma membrane via a glycosyl-phosphatidylinositol (GPI) anchor. It is expressed primarily in the placenta and may be involved in transplacental IgG transport. ALPP has been found to be overexpressed on the surface of several different types of solid tumor cells and elevated serum concentrations of ALPP and ALPP-like enzymes has been found to be associated with ovarian, cervical, and testicular cancer.

Product:

Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 57kDa

Swiss-Prot:

P05187

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC (1/100 - 1/300)

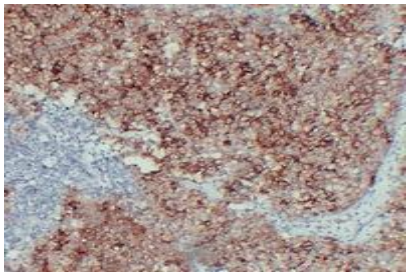
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

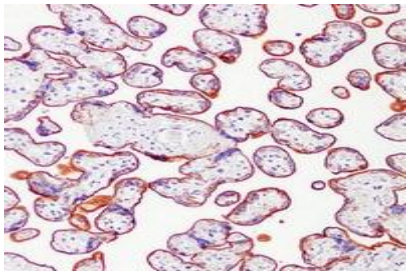
Specificity:

Recognizes endogenous levels of ALPP protein.

DATA:



Immunohistochemical analysis of ALPP staining in human seminoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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Note:

For research use only, not for use in diagnostic procedure.

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