

ALPP monoclonal antibody

Catalog: MB0158

Host: Mouse

Reactivity: Human

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.

Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size: 76KDa

Observed band size: 76KDa

Swiss-Prot:

P05187

Purification&Purity:

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

Applications:

WB: 1:500~1000

ICC: 1:100~300

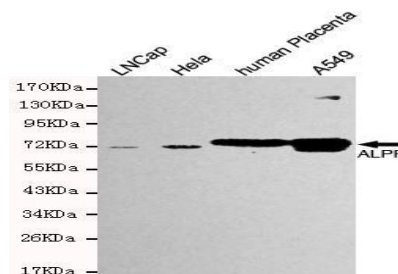
Storage&Stability:

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

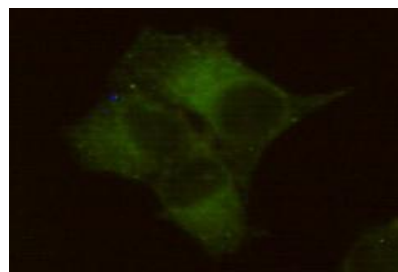
Specificity:

This antibody detects endogenous levels of Placental alkaline phosphatase and does not cross-react with related proteins

DATA:



Western blot detection of ALPP in Hela, LNCap, human Placenta & A549 cell lysates and using ALPP antibody (1:500 diluted).



Immunocytochemistry stain of Hela using ALPP antibody (1:300).

Note:

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

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