

Monoclonal Anti- Alkaline Phosphatase (placental & placental-like), PLAP**Catalog#** BMA1004**Lot #** Check on the product label**Size** 100µg**Isotype** IgG2b**Clone #** D38-6**Host** Mouse**Reactivity**

Human

Product Form Liquid**Purification** Protein A or Protein G purified**Immunogen**

A synthetic peptide (conjugated with KLH) corresponding to the region of human PLAP-1.

Recommend Application

Western Blot (1:5000-10000)

Immunocytochemistry, ICC (1:100)

Immunohistochemistry, IHC-P (1:200)

Other applications have not been tested.

The optimal dilutions should be determined by end user.

Storage Buffer

In TBS (pH7.4), 0.5% BSA, 25% Glycerol and 0.05% Sodium Azide.

Storage Instruction

Store at 4°C after thawing (1 week).

Aliquot and store at -20°C for long term (at least one year).

Avoid repeated freeze and thaw cycles.

Background

Alkaline phosphatase, placental type also known as placental alkaline phosphatase (PLAP) is an allosteric enzyme that in humans is encoded by the ALPP gene. It is a membrane bound glycosylated dimeric 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.¹ Placental alkaline phosphatase is also present in extracts of liver and intestine in appreciable amounts.²

Reference

1. "Entrez Gene: ALPP alkaline phosphatase, placental (Regan isozyme)"
2. Garattini, E., Margolis, J., Heimer, E., Felix, A., Udenfriend, S. Human placental alkaline phosphatase in liver and intestine. Proc. Nat. Acad. Sci. 82: 6080-6084, 1985.

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