

Monoclonal Anti-ALPP Antibody, Human IgG1 (P1H05)

Catalog # ALP-MY2719



Source

Chimeric Monoclonal Anti-ALPP Antibody, Human IgG1 (P1H05) is recombinantly expressed in HEK293. It consists of mouse variable regions genetically fused to human IgG1 constant domains.

Antibody Type

Recombinant Monoclonal

Clone

P1H05

Isotype

Human IgG1, Kappa

Host Species

Mouse

Reactivity

Human

Specificity

Specifically recognizes Human ALPP protein.

Application

Application	Recommended Use / Performance
ELISA	1-2 ng/mL

Purification

Protein A purified.

Aggregation

Less than 5%, as determined by SEC-MALS.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4) containing 0.01% PF68, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

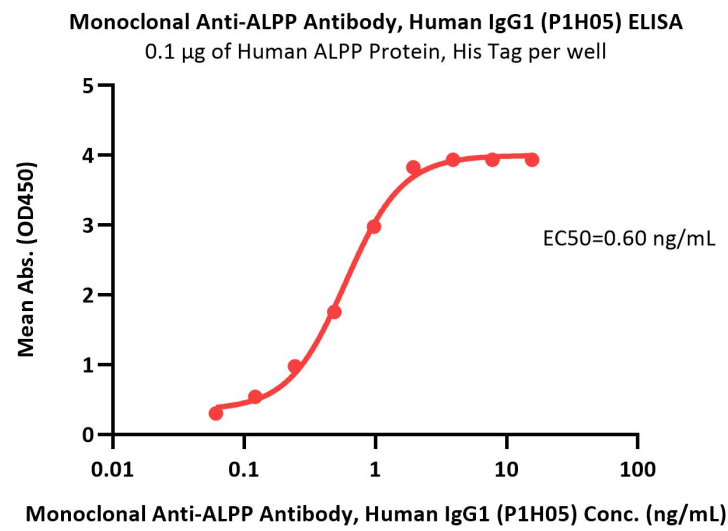
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-ELISA



Immobilized Human ALPP Protein, His Tag (Cat. No. ALP-H52H3) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-ALPP Antibody, Human IgG1 (P1H05) (Cat. No. ALP-MY2719) with a linear range of 0.06-1 ng/mL (QC tested).

Background

Placental alkaline phosphatase (ALPP) is a membrane-bound enzyme normally restricted to placental tissue. However, it is aberrantly overexpressed in various solid tumors, including ovarian, testicular, and cervical cancers, making it a highly specific tumor biomarker. High-affinity anti-ALPP antibodies are essential for early clinical cancer diagnostics (IHC/serum screening) and the development of targeted therapies like antibody-drug conjugates (ADCs) and CAR-T cells.

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