

产品名称: ALPL Mouse Monoclonal Antibody  
产品货号: AMM81104



## 产品概述 (Summary)

|                        |                                |
|------------------------|--------------------------------|
| 产品名称 (Production Name) | ALPL Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody      |
| 宿主 (Host)              | Mouse                          |
| 应用 (Application)       | WB,IHC,ELISA,FC                |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat,Rabbit         |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG1                                                                               |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide                                         |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| 基因名 (Gene Name)        | ALPL                                                                     |
| 别名 (Alternative Names) | HOPS; TNAP; APTNAP; TNSALP; AP-TNAP                                      |
| 基因 ID (Gene ID)        | 249.0                                                                    |
| 蛋白 ID (SwissProt ID)   | P05186.Purified recombinant fragment of human ALPL expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 57.3kDa                                                              |

## 研究背景 (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

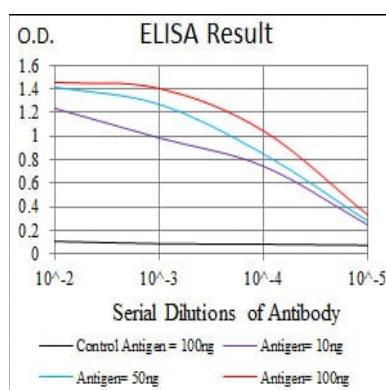
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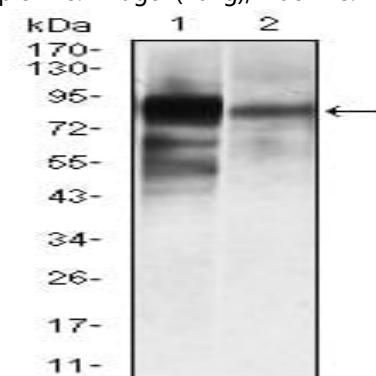
chromosome 1. The product of this gene is a membrane bound glycosylated enzyme that is not expressed in any particular tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme. The exact physiological function of the alkaline phosphatases is not known. A proposed function of this form of the enzyme is matrix mineralization; however, mice that lack a functional form of this enzyme show normal skeletal development. This enzyme has been linked directly to hypophosphatasia, a disorder that is characterized by hypercalcemia and includes skeletal defects. The character of this disorder can vary, however, depending on the specific mutation since this determines age of onset and severity of symptoms. Alternatively spliced transcript variants have been described.

## 研究领域 (Research Area)

## 图片 (Image Data)

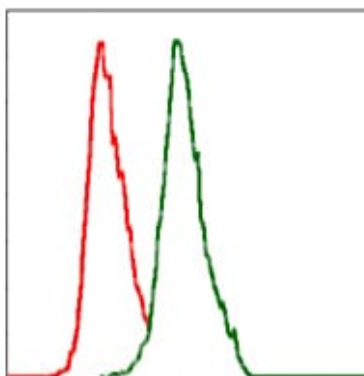


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

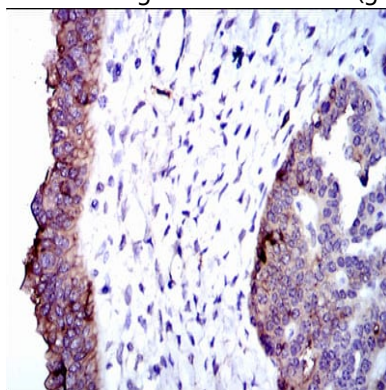


Western blot analysis using ALPL mouse mAb against HeLa (1), and NTERA-2 (4) cell lysate.

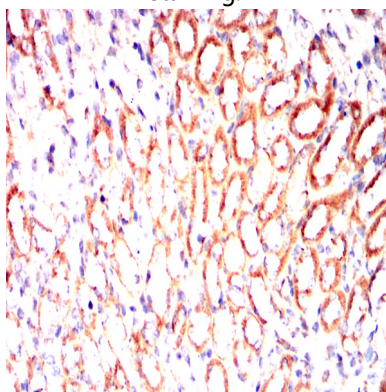
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Flow cytometric analysis of MCF-7 cells using ALPL mouse mAb (green) and negative control (red).

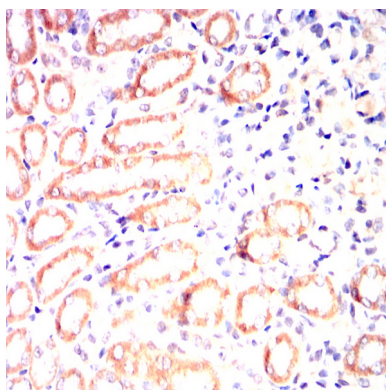


Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using ALPL mouse mAb with DAB staining.

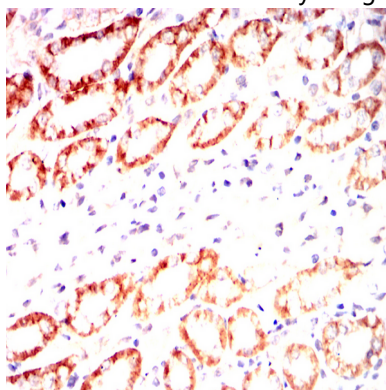


Immunohistochemical analysis of paraffin-embedded Mouse kidney using ALPL mouse mAb with DAB staining.

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Immunohistochemical analysis of paraffin-embedded Rat kidney using ALPL mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit kidney using ALPL mouse mAb with DAB staining.

### **注意事项 (Note)**

For research use only .