

## Mouse Alkaline Phosphatase Monoclonal Antibody | anti-ALPL antibody

Alkaline Phosphatase antibody

|                               |                      |                              |
|-------------------------------|----------------------|------------------------------|
| CATALOG #<br><b>AAA106489</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------|------------------------------|

### PRODUCT SYNONYMS

Alkaline Phosphatase; Monoclonal Antibody; Alkaline Phosphatase antibody; Monoclonal Alkaline Phosphatase; Anti-Alkaline Phosphatase; AP; Alk Phos; anti-ALPL antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                              |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                         |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                                               |
| Clone Number                                   | M1202108                                                                                                                                                                                                                                                                                                                                           |
| Specificity                                    | Alkaline Phosphatase                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification                            | > 90% pure<br>Alkaline Phosphatase antibody was purified by Ion exchange chromatography.                                                                                                                                                                                                                                                           |
| Form/Format                                    | Supplied in PBS with 0.09% sodium azide as preservative                                                                                                                                                                                                                                                                                            |
| Concentration                                  | 9.62mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                          |
| Sequence Length                                | 524                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-ALPL antibody | ELISA                                                                                                                                                                                                                                                                                                                                              |
| Biological Significance                        | Alkaline phosphatase (ALP, ALKP) is a hydrolase enzyme responsible for removing phosphate groups from many types of molecules, including nucleotides, proteins, and alkaloids. The process of removing the phosphate group is called dephosphorylation. As the name suggests, alkaline phosphatases are most effective in an alkaline environment. |
| Isoelectric Point                              | 7.2                                                                                                                                                                                                                                                                                                                                                |
| Immunogen                                      | Alkaline Phosphatase antibody was raised in mouse using Alkaline Phosphatase from bovine intestinal mucose Type VII-N as the immunogen.                                                                                                                                                                                                            |
| Cross Reactivity                               | Specific for alkaline phosphatase                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage                        | Store at 4°C for short term storage. For long term storage, store at -20°C.                                                                                                                                                                                                                                                                        |

### ADDITIONAL INFORMATION

|                                                    |                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------|
| Related Product Information for anti-ALPL antibody | Mouse Monoclonal Alkaline Phosphatase antibody                                     |
| Product Categories/Family for anti-ALPL antibody   | <a href="#">Proteases</a> ; <a href="#">Inhibitors</a> ; & <a href="#">Enzymes</a> |

### NCBI AND UNIPROT INFORMATION

|           |        |
|-----------|--------|
| NCBI GI # | 178462 |
|-----------|--------|

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 249                                                                                            |
| UniProt Accession #              | P05186; O75090; Q2TAI7; Q59EJ7; Q5BKZ5; Q5VTG5; Q6NZI8; Q8WU32; A1A4E7; B2RMP8; B7Z387; B7Z4Y6 |
| NCBI Official Full Name          | alkaline phosphatase                                                                           |
| NCBI Official Synonym Full Names | alkaline phosphatase, liver/bone/kidney                                                        |
| NCBI Official Symbol             | ALPL                                                                                           |
| NCBI Official Synonym Symbols    | HOPS; TNAP; APTNAP; TNSALP; AP-TNAP                                                            |
| NCBI Protein Information         | alkaline phosphatase, tissue-nonspecific isozyme                                               |
| UniProt Protein Name             | Alkaline phosphatase, tissue-nonspecific isozyme                                               |
| UniProt Gene Name                | ALPL                                                                                           |
| UniProt Synonym Gene Names       | AP-TNAP; TNSALP                                                                                |
| UniProt Entry Name               | PPBT_HUMAN                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/monoclonal/alkaline-phosphatase-antibody-clone-m1202108-elisa/106489>