

36-2334: Anti-Alkaline Phosphatase (Tissue-Nonspecific) Monoclonal Antibody(Clone: V17.1)

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| Clonality : | Monoclonal |
| Clone Name : | V17.1 |
| Application : | FACS,IF,IHC |
| Reactivity : | Human |
| Gene : | ALPL |
| Gene ID : | 249 |
| Uniprot ID : | P05186 |
| Alternative Name : | Alkaline phosphatase, germ cell; Alkaline phosphatase, testicular and thymus; Alkaline phosphatase liver/bone/kidney; Alkaline phosphatase, tissue-nonspecific; ALPG; ALPL; Germ cell alkaline phosphatase; Testicular and thymus alkaline phosphatase; Tissue non-specific alkaline phosphatase; Tissue nonspecific ALP (TNAP or TNSALP) |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Bovine intestinal alkaline phosphatase |

Description

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 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, which encode the same protein, have been identified for this gene.

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Frozen) (1-2ug/ml for 30 minutes at RT)

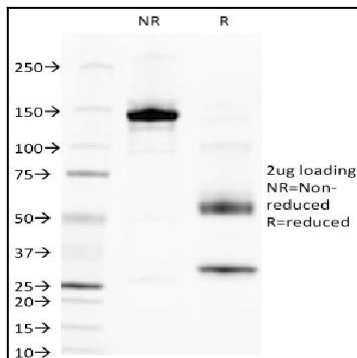


Fig. 1: SDS-PAGE Analysis Purified Alkaline Phosphatase Mouse Monoclonal Antibody (V17.1). Confirmation of Purity and Integrity of Antibody.

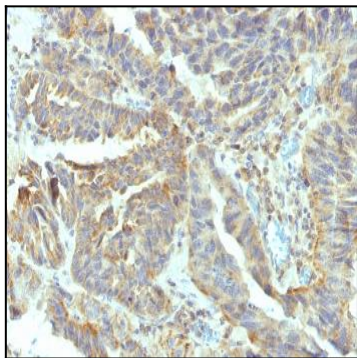


Fig. 2: Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Alkaline Phosphatase Mouse Monoclonal Antibody (V17.1).