

# Anti-Alkaline Phosphatase, Tissue Non-Specific Antibody [SPM372] (A248638)

## Specifications:

Name:	Anti-Alkaline Phosphatase, Tissue Non-Specific Antibody [SPM372]
Description:	Mouse monoclonal [SPM372] antibody to Alkaline Phosphatase, Tissue Non-Specific.
Specificity:	<p>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 hypo-phosphatasia, 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.</p>
Applications:	Flow Cytometry, IF, IHC-Fr
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IHC-Fr: 1-2 µg/ml
Reactivity:	Human, Bovine
Immunogen:	Bovine intestinal alkaline phosphatase.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	SPM372
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.

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### Specifications continued:

Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Alkaline Phosphatase, Tissue Non-Specific Antibody [SPM372] - BSA and Azide free (A251820).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.