

ALPL Monoclonal Antibody (V17.1)

Catalog NumberMA1-35004

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Bovine, Human
Host/Isotope	Mouse / IgG1	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody		
Clone	V17.1	ELISA (ELISA)	Assay-dependent
Immunogen	Alkaline phosphatase.	Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.1 mg/mL		
Purification	purified		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	4° C		

Background/Target Information

Alkaline phosphatase is a homodimeric protein enzyme (86 kDa), containing two zinc atoms crucial to its catalytic function per monomer, and it is optimally active at alkaline pH environments. The enzyme is found in prokaryotes and eukaryotes, with the same general function but in different structural forms suitable to organism's environment. ALP plays a role in liver metabolism and development within the skeleton. In bacteria, ALP acts as a source of inorganic phosphate. In yeast, ALP can be a useful protein for studying membrane protein sorting.

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