

Product datasheet for **AP09101AF-N**

Alkaline phosphatase / ALPI / IAP Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Western Blot. ELISA: 1/1,000 to 1/5,000. Immunoprecipitation.
Reactivity:	Bovine
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Alkaline Phosphatase [Calf intestine]
Specificity:	This antibody reacts to Alkaline Phosphatase. No reaction was observed against the bacterial form of the enzyme.
Formulation:	0.01 M Sodium Phosphate, 0.14 M Sodium Chloride, pH 7.4 State: Azide Free State: Lyophilized
Reconstitution Method:	Restore with 2.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P19111



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Background: Alkaline phosphatase (ALP) removes phosphate groups from the 5' end of DNA and RNA, and from proteins, at high pH. Most mammals have 4 different isozymes: placental, placental like, intestinal and non tissue specific (found in liver, kidney and bone). Tissues with particularly high concentrations of ALP include the liver, bile ducts, placenta, and bone. Damaged or diseased tissue releases enzymes into the blood, so serum ALP measurements can be abnormal in many conditions, including bone disease and liver disease.

Synonyms: Intestinal alkaline phosphatase