

Product datasheet for **AM05452PU-N**

Alkaline Phosphatase (ALPL) Mouse Monoclonal Antibody [Clone ID: BGN/03/66KF44]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BGN/03/66KF44
Applications:	ELISA, IHC
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 1/25-1/100. <i>Recommended Positive Control:</i> Human Liver.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Human bone Alkaline Phosphatase
Specificity:	This antibody is specific for bone and liver Alkaline Phosphatase, a hydrolase enzyme responsible for dephosphorylation of many types of molecules.
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	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.
Gene Name:	alkaline phosphatase, liver/bone/kidney
Database Link:	Entrez Gene 249 Human P05186



[View online »](#)

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:

AP-TNAP, TNSALP