

## Product datasheet for **BM216**

### Alkaline Phosphatase (ALPL) Mouse Monoclonal Antibody [Clone ID: BGN/03/661]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BGN/03/661
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot:</b> In Immunoblotting this antibody stains a band of BAP at around 70 kDa.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Alkaline Phosphatase prepared from Human bone.
Specificity:	The antibody clone BGN/03/661 is specific for Alkaline Phosphatase. It detects the tissue specific isotypes, BAP, PLAP, and IAP (Bone, Placental and Intestinal AP), but may react with other Alkaline Phosphatases.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store 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:	<a href="#">Entrez Gene 249 Human</a> <a href="#">P05186</a>



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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:**

AP-TNAP, TNSALP