

# Product Datasheet

## Alkaline Phosphatase/ALPP Antibody (ALPP/516) [Allophycocyanin/Cy7] NBP2-47991APCCY7

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP2-47991APCCY7**

Alkaline Phosphatase/ALPP Antibody (ALPP/516) [Allophycocyanin/Cy7]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	ALPP/516
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Allophycocyanin/Cy7
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	250
Gene Symbol	ALPP
Species	Human
Marker	Germ Cell Tumor Marker
Specificity/Sensitivity	PLAP is a tissue specific, trophoblast-derived, 70kDa, glycosyl-phosphatidylinositol (GPI)-anchored, dimeric, Zn <sup>2+</sup> metallo-glycoprotein that catalyzes the hydrolysis of phosphomonoesters into an inorganic phosphate and an alcohol. It is present in the placenta and serum of pregnant women and in high frequency in gynecological and testicular cancers and in lower frequency in other tumors. The three tissue-specific APs in humans, PLAP, germ cell AP (GCAP) and intestinal AP, are 90-98% homologous. Non-tissue specific AP is found in kidney, liver and bone. This monoclonal antibody binds equally well to all common allelic variants (S, F, FS and I) of PLAP and to some variants of AP from normal human testis. This monoclonal antibody can be used as tracer antibody in ELISA to detect PLAP in serum of S, F, FS and I phenotypes.
Immunogen	Recombinant full-length human Alkaline Phosphatase/ALPP protein (Uniprot: P05187)

Product Application Details	
Application Notes	Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> if you have any questions.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA

Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada

Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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