

# Product Datasheet

## Alkaline Phosphatase/ALPP Antibody (GM022) [Alexa Fluor™ Plus 405] NBP2-47992AFP405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47992AFP405**

Alkaline Phosphatase/ALPP Antibody (GM022) [Alexa Fluor™ Plus 405]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	GM022
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Conjugate</b>	Alexa Fluor Plus 405
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	250
<b>Gene Symbol</b>	ALPP
<b>Species</b>	Human
<b>Marker</b>	Germ Cell Tumor Marker
<b>Specificity/Sensitivity</b>	Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase. Anti-PLAP reacts with germ cell tumors and can discriminate between these and other neoplasms. Somatic neoplasms e.g. breast, gastrointestinal, prostatic, and urinary cancers may also immunoreact with antibodies to PLAP. Anti-PLAP positivity in conjunction with anti-keratin negativity favors seminoma over carcinoma. Germ cell tumors are usually anti-keratin positive, but they regularly fail to stain with anti-EMA, whereas most carcinomas stain with anti-EMA. Anti-PLAP has been useful in the diagnosis of gestational trophoblastic disease.
<b>Immunogen</b>	Recombinant human Alkaline Phosphatase/ALPP protein (Uniprot: P05187)

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<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-47992AFP405**

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NBP2-34056PEP	Alkaline Phosphatase/ALPP Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
NBL1-07488	Alkaline Phosphatase/ALPP Overexpression Lysate
AF808	Osteopontin/OPN Antibody [Unconjugated]

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### **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.

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