

# Product Datasheet

## Alkaline Phosphatase/ALPP Antibody (ALPP/238)

**[CoraFluor™ 1]**

**NBP2-47990CL1**

Unit Size: 0.1 ml

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

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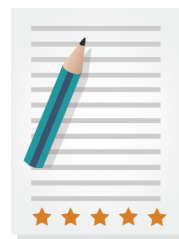
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**NBP2-47990CL1**

Alkaline Phosphatase/ALPP Antibody (ALPP/238) [CoraFluor™ 1]

| 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/238                                                                                    |
| Preservative        | No Preservative                                                                             |
| Isotype             | IgG2a Kappa                                                                                 |
| Conjugate           | CoraFluor 1                                                                                 |
| 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 as to AP from normal human testis. This monoclonal antibody can be used both as coating as well as tracer antibody in the same ELISA to detect PLAP in serum of S, F, FS and I phenotypes. |
| Immunogen               | Recombinant full-length human Alkaline Phosphatase/ALPP protein (Uniprot: P05187)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Notes                   | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Product Application Details |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Applications                | ELISA                                                                  |
| Recommended Dilutions       | ELISA                                                                  |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP2-47990CL1**

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|               |                                                         |
|---------------|---------------------------------------------------------|
| NBP1-96981CL1 | Mouse IgG2a Kappa Isotype Control (M2AK) [CoraFluor™ 1] |
| NBP2-34056PEP | Alkaline Phosphatase/ALPP Recombinant Protein Antigen   |
| 210-TA-005    | TNF-alpha [Unconjugated]                                |
| NBL1-07488    | Alkaline Phosphatase/ALPP Overexpression Lysate         |

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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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