

# Product Datasheet

## Alkaline Phosphatase/ALPP Antibody (SPM593) [PE/Cy7] NBP2-47989PECY7

Unit Size: 0.1 ml

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

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**NBP2-47989PECY7**

Alkaline Phosphatase/ALPP Antibody (SPM593) [PE/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                       | SPM593  |
| Preservative                | 0.05% Sodium Azide  |
| Isotype                     | IgG2b Kappa   |
| Conjugate                   | PE/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     | 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. |
| Immunogen                   | Recombinant full-length human Alkaline Phosphatase/ALPP protein (Uniprot: P05187)   |
| Product Application Details |   |
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence   |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready   |
| 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.  |





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### Products Related to NBP2-47989PECY7

|                 |   |
|-----------------|---|
| NBP1-43317PECY7 | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [PE/Cy7] |
| NBP2-34056PEP   | Alkaline Phosphatase/ALPP Recombinant Protein Antigen         |
| 210-TA-005      | TNF-alpha [Unconjugated]                                      |
| NBL1-07488      | Alkaline Phosphatase/ALPP Overexpression Lysate               |

### 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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