

Product Datasheet

Alkaline Phosphatase/ALPP Antibody (SPM593)

[CoraFluor™ 1]

NBP2-47989CL1

Unit Size: 0.1 ml

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

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NBP2-47989CL1

Alkaline Phosphatase/ALPP Antibody (SPM593) [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 | SPM593 |
| Preservative | No Preservative |
| Isotype | IgG2b Kappa |
| Conjugate | CoraFluor 1 |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Product Description | |
| Description | <p>CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.</p> <p>CoraFluor(TM) 1, amine reactive</p> <p>CoraFluor(TM) 1, thiol reactive</p> <p>For more information, please see our CoraFluor(TM) TR-FRET technology flyer.</p> |
| 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) |



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|------------------------------------|---|
| 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 | Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, 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. |





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Products Related to NBP2-47989CL1

| | |
|---------------|---|
| 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] |

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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