

# Product Datasheet

## alpha-Fetoprotein/AFP Antibody (C3) [DyLight 594] NBP2-34577DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34577DL594**

alpha-Fetoprotein/AFP Antibody (C3) [DyLight 594]

| 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.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | C3                                                                                          |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG2a Kappa                                                                                 |
| Conjugate           | DyLight 594                                                                                 |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene ID                 | 174                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Symbol             | AFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Species                 | Human, Porcine, Canine, Monkey, Bovine (Negative), Mouse (Negative), Rat (Negative)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity Notes        | Does not react with Bovine, Mouse or Rat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Marker                  | Hepatocellular/Germ Cell Tumor Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificity/Sensitivity | It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha-fetoprotein (AFP) (ISOBM TD-2 workshop). This monoclonal antibody is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin. AFP is normally synthesized in the liver, intestinal tract, and yolk sac of the fetus. Antibody to AFP has been shown to be useful in detecting hepatocellular carcinomas (HCC) and germ cell neoplasms, especially yolk sac tumors. |
| Immunogen               | Alpha feto protein (AFP) Purified from serum of a hepatoma patient (Uniprot: P02771)                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Product Application Details |                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | ELISA, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA, CyTOF-ready, Knockout Validated |
| Recommended Dilutions       | Flow Cytometry, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA, Flow (Intracellular), CyTOF-ready, Knockout Validated |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                            |





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### **Products Related to NBP2-34577DL594**

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|                   |                                                        |
|-------------------|--------------------------------------------------------|
| NBP1-96981DL594   | Mouse IgG2a Kappa Isotype Control (M2AK) [DyLight 594] |
| NBP2-52171-0.05mg | Recombinant Human alpha-Fetoprotein/AFP His Protein    |
| M6000B-1          | IL-6 [HRP]                                             |
| MAFP00            | alpha-Fetoprotein/AFP [HRP]                            |

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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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