

# Product Datasheet

## CD3 epsilon Antibody (APA1/1) [Alexa Fluor™ Plus 647] NBP1-30426AFP647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-30426AFP647**

CD3 epsilon Antibody (APA1/1) [Alexa Fluor™ Plus 647]

| 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               | APA1/1  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1  |
| Conjugate           | Alexa Fluor Plus 647  |
| Purity              | Protein A purified  |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 916  |
| Gene Symbol             | CD3E   |
| Species                 | Human, Mouse   |
| Reactivity Notes        | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.  |
| Specificity/Sensitivity | The mouse monoclonal antibody APA1/1 recognizes an activation-dependent intracellular epitope of CD3 epsilon. Exposure of the epitope precedes CD3 phosphorylation and recruitment and activation of ZAP70, which initiates the signaling cascade produced by T-cell activation. APA1/1 provides the earliest known marker for TCR-mediated T cell activation.   |
| Immunogen               | Purified human CD3 proteins isolated from thymus   |
| Notes                   | <p>This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a>. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.</p> |

**Product Application Details**

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready |
| <b>Recommended Dilutions</b> | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Frozen, CyTOF-ready |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP1-30426AFP647**

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|             |   |
|-------------|---|
| NBP2-22752  | Recombinant Human CD3 epsilon His Protein |
| 210-TA-005  | TNF-alpha [Unconjugated]                  |
| AVI9850-050 | CD3 epsilon [Biotin]                      |
| 485-MI-100  | IFN-gamma [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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