

# Product Datasheet

## CD3 epsilon Antibody (C3e/1308) [PE] NBP2-54392PE

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP2-54392PE**

CD3 epsilon Antibody (C3e/1308) [PE]

| Product Information |   |
|---------------------|---|
| Unit Size           | 100 ul  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | C3e/1308  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2b Kappa   |
| Conjugate           | PE  |
| Purity              | Protein A or G purified   |
| Buffer              | PBS   |

| Product Description     |  |
|-------------------------|--|
| Description             | 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.  |
| Host                    | Mouse  |
| Gene ID                 | 916  |
| Gene Symbol             | CD3E   |
| Species                 | Human, Mouse   |
| Reactivity Notes        | Mouse reactivity reported in scientific literature (PMID: 33428661).   |
| Marker                  | T-Cell Marker  |
| Specificity/Sensitivity | Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms. |
| Immunogen               | Recombinant human CD3 epsilon fragment (aa 23-119) (Uniprot: P07766)   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Multiplex Immunoassay             |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Flow (Intracellular), CyTOF-ready, Multiplex Immunoassay             |
| Application Notes           | Use in Multiplex Immunoassay reported in scientific literature (PMID: 31942075). Optimal dilution of this antibody should be experimentally determined. |



## Images

CD3 epsilon Antibody (C3e/1308) [PE] [NBP2-54392PE] - Vial of PE conjugated antibody. PE has two excitation maxima, 498 nm excited by the Blue laser (488 nm) and 565 nm excited by the Yellow-Green laser (561 nm). Both result in emission at 578 nm.





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### **Products Related to NBP2-54392PE**

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|              |   |
|--------------|---|
| NBP1-43317PE | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [PE] |
| NBP2-22752   | Recombinant Human CD3 epsilon His Protein                 |
| 210-TA-005   | TNF-alpha [Unconjugated]                                  |
| 9850-CD-050  | CD3 epsilon [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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