

Product Datasheet

CD3 epsilon Antibody (C3e/1308) [Allophycocyanin/Cy7] NBP2-54392APCCY7

Unit Size: 0.1 ml

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

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NBP2-54392APCCY7

CD3 epsilon Antibody (C3e/1308) [Allophycocyanin/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 | C3e/1308 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG2b Kappa |
| Conjugate | Allophycocyanin/Cy7 |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Product Description | |
| 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. 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 technical@novusbio.com if you have any questions. |





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Products Related to NBP2-54392APCCY7

| | |
|------------------|--|
| NBP1-43317APCCY7 | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Allophycocyanin/Cy7] |
| NBP2-22752 | Recombinant Human CD3 epsilon His Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 9850-CD-050 | CD3 epsilon [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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