

Product Datasheet

CD3 epsilon Antibody (C3e/1931) [FITC] NBP2-79840F

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-79840F

CD3 epsilon Antibody (C3e/1931) [FITC]

| 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 | C3e/1931 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Conjugate | FITC |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Product Description | |
| Host | Mouse |
| Gene ID | 916 |
| Gene Symbol | CD3E |
| Species | Human |
| 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 | A recombinant human CD3 epsilon protein fragment (around aa 23-119) (exact sequence is proprietary) (Uniprot: P07766) |
| Product Application Details | |
| Applications | Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready |
| Recommended Dilutions | Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |



Images

CD3 epsilon Antibody (C3e/1931) [FITC] [NBP2-79840F] - Vial of FITC conjugated antibody. FITC is optimally excited at 498 nm by the Blue laser (488 nm) and has an emission maximum of 519 nm.



FITC

| LASER (nm) | FILTER |
|------------|--------|
| Blue (488) | 525/50 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 498 | 519 |



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Products Related to NBP2-79840F

| | |
|-------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| NBP1-43319F | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [FITC] |
| NBP2-22752 | Recombinant Human CD3 epsilon His Protein |
| 210-TA-005 | TNF-alpha [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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