

# Product Datasheet

## CD3 epsilon Antibody (C3e/1931) [PE] NBP2-79840PE

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-79840PE**

CD3 epsilon Antibody (C3e/1931) [PE]

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	PE
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) [PE] [NBP2-79840PE] - 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 NBP2-79840PE**

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NBP1-43319PE-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [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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