

# Product Datasheet

## CD3 epsilon Antibody (PC3/188A) [Alexa Fluor® 700] NBP2-54405AF700

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP2-54405AF700**

CD3 epsilon Antibody (PC3/188A) [Alexa Fluor® 700]

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 100 ul   |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                 | Store at 4C in the dark.   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | PC3/188A   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1   |
| <b>Conjugate</b>               | Alexa Fluor 700  |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| <b>Product Description</b>     |  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 916  |
| <b>Gene Symbol</b>             | CD3E   |
| <b>Species</b>                 | Human, Chimpanzee  |
| <b>Reactivity Notes</b>        | Others not known.  |
| <b>Marker</b>                  | T-Cell Marker  |
| <b>Specificity/Sensitivity</b> | 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. |
| <b>Immunogen</b>               | A synthetic peptide corresponding to amino acids 156-168 of the cytoplasmic domain of human CD3- chain (Uniprot: P07766 )  |



|              |  |
|--------------|--|
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|--------------|--|

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

## Images

CD3 epsilon Antibody (PC3/188A) [Alexa Fluor® 700] [NBP2-54405AF700] - Vial of Alexa Fluor 700 conjugated antibody. Alexa Fluor 700 is optimally excited at 696 nm by the Red laser (633 or 640 nm) and has an emission maximum of 720 nm.





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### **Products Related to NBP2-54405AF700**

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|                 |   |
|-----------------|---|
| NBP1-97005AF700 | Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 700] |
| 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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