

## CD3e (T-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone PC3/188A]

Catalog No	Format	Size
916-MSM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
916-MSM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
916-MSM10-P1ABX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

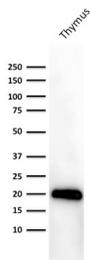
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

### Product Details

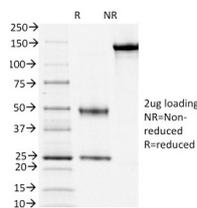
<b>Clone</b>	PC3/188A
<b>Gene Name</b>	CD3E
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 156-168 of the cytoplasmic domain of human CD3- chain
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1
<b>Mol. Weight of Antigen</b>	20kDa
<b>Cellular Localization</b>	Cell membrane
<b>Species Reactivity</b>	Chicken, Cow, Guinea Pig, Horse, Human, Pig, Rabbit, Rat
<b>Positive Control</b>	Jurkat cells. Tonsil and lymph node.

\*Optimal dilution for a specific application should be determined.

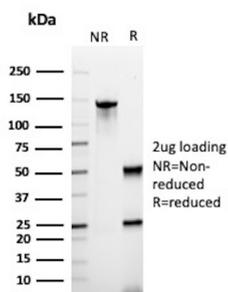
### Product Images for CD3e (T-Cell Marker) Antibody



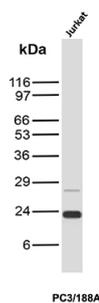
Western Blot Analysis of human Thymus lysate using Purified CD3e Mouse Monoclonal Antibody (PC3/188A).



SDS-PAGE Analysis Purified CD3e Mouse Monoclonal Antibody (PC3/188A). Confirmation of Integrity and Purity of Antibody.



SDS-PAGE Analysis of Purified T-cell surface glycoprotein CD3 epsilon chain Mouse Monoclonal Antibody (PC3/188A). Confirmation of Purity and Integrity of Antibody.



Western Blot analysis of Jurkat cell lysate using CD3e Mouse Monoclonal Antibody (PC3/188A).

### Specificity & Comments

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 intracytoplasmic. 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.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Cardiovascular, Hematopoietic Stem Cells, Immunology, PD-1 blockade immunotherapy