

Product Datasheet

CD3 epsilon Antibody (PC3/188A)

NBP2-53386-100ug

Unit Size: 100 ug

Store at 4C.

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Publications: 1

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NBP2-53386-100ug

CD3 epsilon Antibody (PC3/188A)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	PC3/188A
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	20 kDa

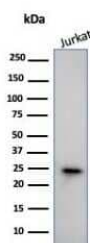
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54405) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	916
Gene Symbol	CD3E
Species	Human, Chimpanzee
Reactivity Notes	Others not known.
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 synthetic peptide corresponding to amino acids 156-168 of the cytoplasmic domain of human CD3- chain (Uniprot: P07766)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry (Negative)
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 0.5-1 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry (Negative)
Application Notes	Optimal dilution for a specific application should be determined. Western Blot: 1-2ug/ml for 60 minutes at RT.

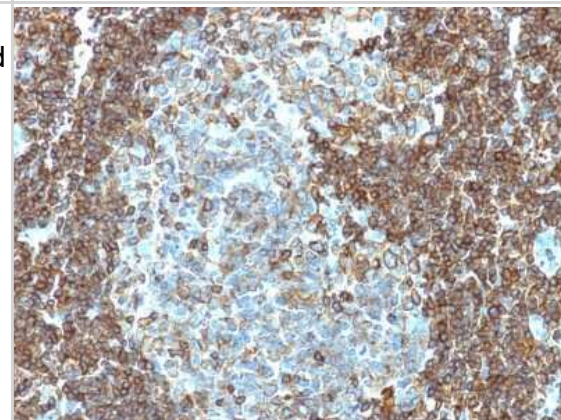


Images

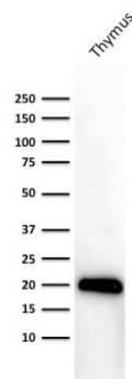
Western Blot: CD3 epsilon Antibody (PC3/188A) [NBP2-53386] - Western Blot Analysis of human Jurkat Cell lysate using CD3 epsilon antibody (PC3/188A).



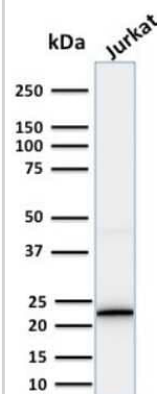
Immunohistochemistry-Paraffin: CD3 epsilon Antibody (PC3/188A) [NBP2-53386] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD3 epsilon Monoclonal Antibody (PC3/188A).



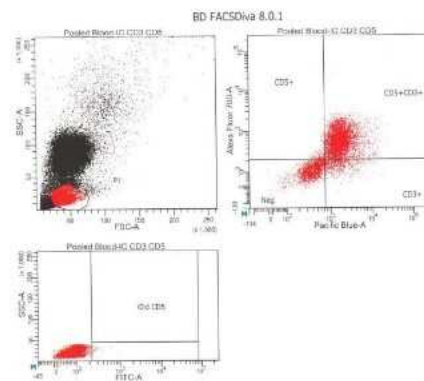
Western Blot: CD3 epsilon Antibody (PC3/188A) [NBP2-53386] - Western Blot Analysis of human Thymus lysate using Purified CD3 epsilon Antibody (PC3/188A).



Western Blot: CD3 epsilon Antibody (PC3/188A) [NBP2-53386] - Western Blot Analysis of human Jurkat cell lysate using CD3 epsilon Antibody (PC3/188A).



Flow Cytometry: CD3 epsilon Antibody (PC3/188A) [NBP2-53386] - Analysis with canine whole blood cells. From a verified customer review.



Publications

Tsugami Y, Nakayama S, Suzuki N et al. Investigating mammary glands of lactating goats for the presence of tertiary lymphoid organs *Frontiers in immunology* 2022-08-10 [PMID: 36032165] (IHC-P, Goat)

Details:

Mammary gland tissue from Tokara and Shiba Goats



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Products Related to NBP2-53386-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-22752	Recombinant Human CD3 epsilon His Protein

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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