

Product Datasheet

CD3 epsilon Antibody (UCHT1) - BSA Free NB100-2726

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-2726

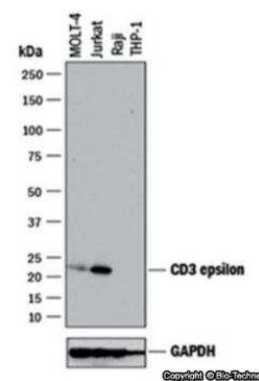
CD3 epsilon Antibody (UCHT1) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	UCHT1
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	916
Gene Symbol	CD3E
Species	Human, Porcine, Primate
Specificity/Sensitivity	Detects the non-glycosylated epsilon chain of CD3 (MW 20kD) which is closely associated on the lymphocyte cell surface with the T cell antigen receptor (TCR).
Immunogen	Human infant thymocytes and Sezary cells.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Radioimmunoassay, Dual RNAscope ISH-IHC
Recommended Dilutions	Western Blot, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Radioimmunoassay, Dual RNAscope ISH-IHC

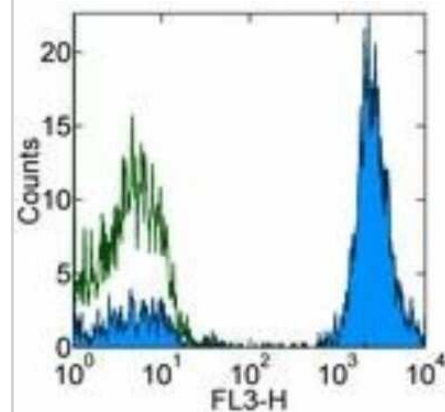


Images

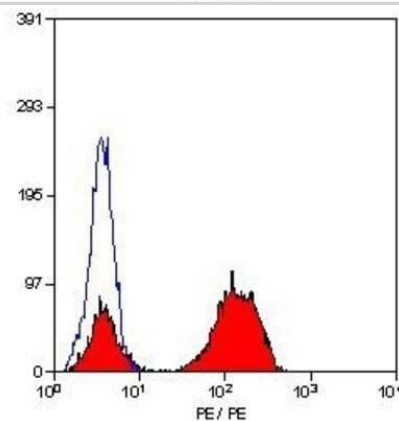
Western Blot: CD3 epsilon Antibody (UCHT1) [NB100-2726] - Western blot shows cell lysates MOLT-4, Jurket, Raji, and THP-1. Membrane was probed with 2 ug/mL of Mouse Anti-CD3 epsilon Monoclonal Antibody (Catalog # NB100-2726) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for CD3 epsilon at approximately 21 kDa (as indicated) in the first 2 cell lysates but was absent from the later 2. This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1. Internally validated Western blot.



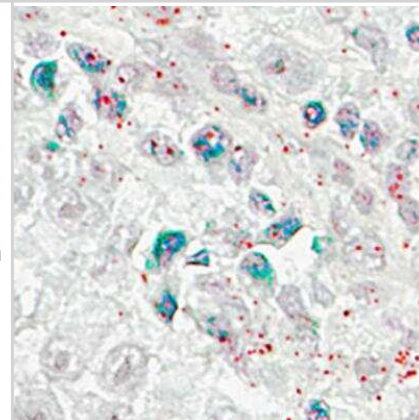
Flow Cytometry: CD3 epsilon Antibody (UCHT1) [NB100-2726] - Analysis of PE/Cy5 conjugate of NB100-2726. Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control PE-Cy5 (green) or Anti-Human CD3 PE-Cy5 (blue). Cells in the lymphocyte gate were used for analysis.



Flow Cytometry: CD3 epsilon Antibody (UCHT1) [NB100-2726] - Staining of human peripheral blood lymphocytes with Mouse anti-Human CD3: RPE.



Dual RNAscope ISH-IHC: CD3 epsilon Antibody (UCHT1) [NB100-2726] - CD40 mRNA (red) and CD3 epsilon protein (green) were detected in formalin-fixed paraffin-embedded tissue sections of human malignant lymph node. ACD's Integrated Co-Detection Workflow was performed using ACD RNAscope Probe Hs-CD40 and CD3 epsilon antibody (UCHT1) at 1:300 dilution. Tissue was stained on Leica Bond RX using RNAscope (TM) 2.5 LS Reagent Kit-RED, BOND Polymer Refine Detection (DAB) and Hematoxylin, BOND Polymer Refine Red Detection and Hematoxylin and RNAscope (TM) 2.5 LS Green Accessory Pack. Tissue was counterstained with 50% hematoxylin (blue).





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Products Related to NB100-2726

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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