Anti-Hu CD3e (AKYP0125)-BX080 for PhenoCode Signature

CATALOG # S6501003

Components	
240227	Anti-Hu CD3e (AKYP0125)-BX080
PCSD080	HRP-HX080 PhenoCode™ Signature Detector

Quantity
Up to 20 Slides

Storage & Stability

Component #	Component Description	Storage Temp	Storage Notes	Stability
240227	Anti-Hu CD3e (AKYP0125)-BX080	4°C	Do Not Freeze	Refer to expiration date on antibody tube
PCSD080	HRP-HX080 PhenoCode Signature Detector	-20°C	Do Not Exceed 5 Freeze-Thaw Cycles	Refer to expiration date on PhenoCode Signature Detector tube

Target & Clone Information

Alternative Name(s)	T-cell surface antigen T3/Leu-4 epsilon chain
Cell Type Expression	Mature T cells, Pro-thymocytes
Expected Localization	Membrane, Cytoplasm
Reactivity	Human, Mouse, Rat
Host Species/Isotype	Rabbit IgG
Clonality	Monoclonal

PhenoCode Signature Workflow

Tissue Type	Sample Types Used for Testing	Recommended Starting Dilution	Opal® Dye
Human FFPE	Tonsil, Lung Cancer	1:12000	Opal 520, Opal 570

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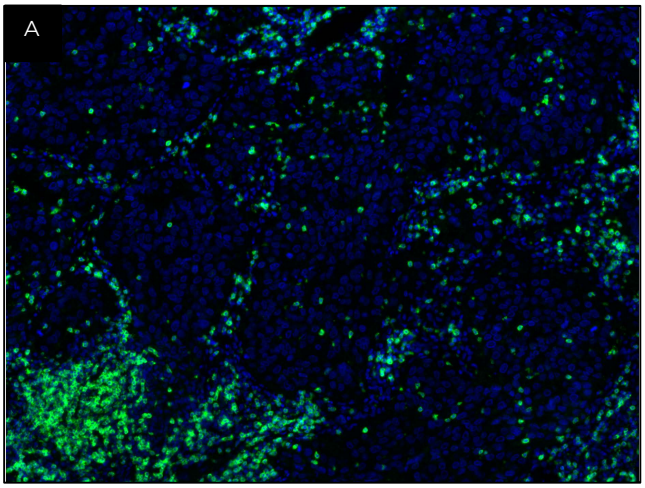
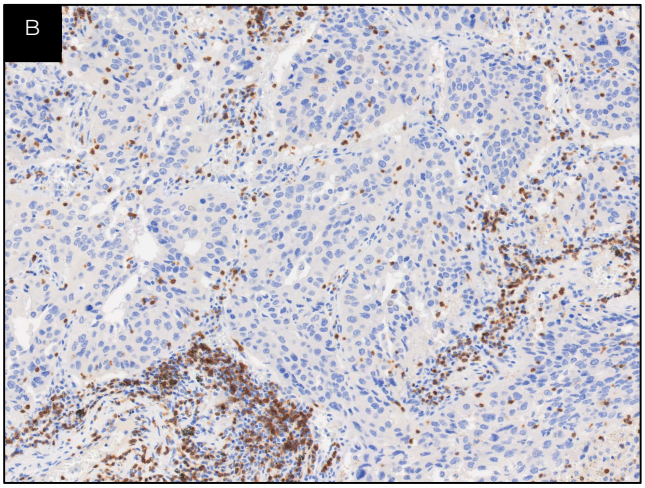
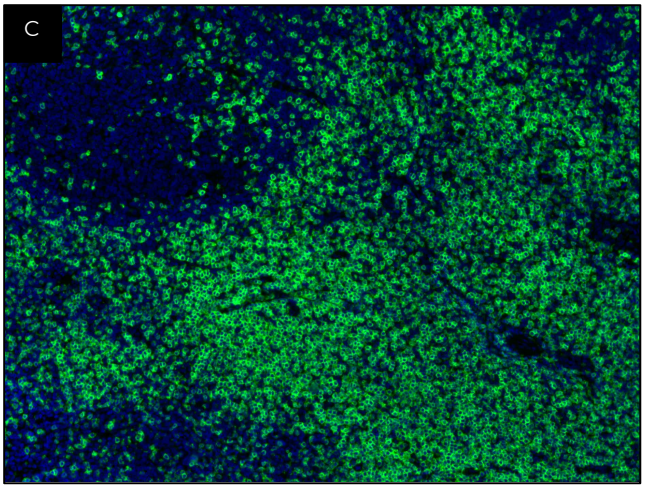
CD3e is expressed on the membrane of mature T cells and in the cytoplasm of pro-thymocytes. CD3e is part of the T cell receptor complex (TCR) on the surface of T cells and functions in signal transduction of extracellular antigen recognition. The following images compare the performance of anti-CD3e as a barcoded primary antibody and as an unconjugated primary antibody. Comparisons are provided in human FFPE lung cancer and human FFPE tonsil tissues.

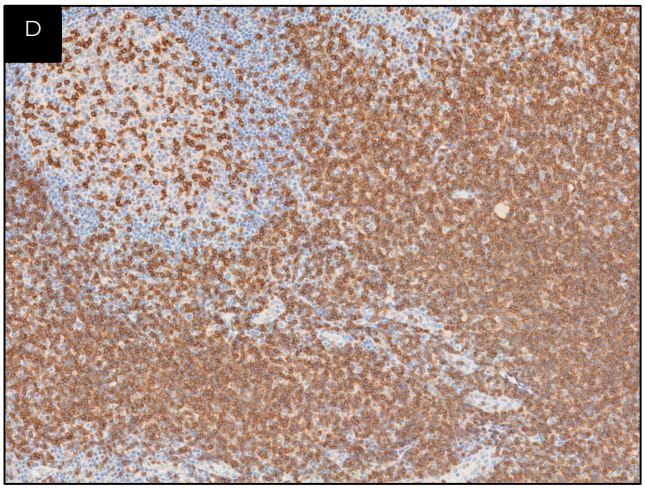
Human FFPE Lung Cancer





Human FFPE Tonsil





A. Barcoded anti-CD3e paired with Opal 570 was used in the PhenoCode Signature Immune Profile Human Protein Panel on human FFPE lung cancer tissue. **B.** The image on the right shows human FFPE lung cancer tissue stained with DAB using unconjugated anti-CD3e antibody. **C and D.** Identical assays were run on human tonsil tissue and images are displayed in the same manner as sections A and B.

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