



Anti-Hu CD8 (AKYP0028)-BX026 for PhenoCode Signature

CATALOG # S6501001

Components				
232151S	Anti-Hu CD8 (AKYP0028)-BX026			
PCSD026	HRP-HX069 PhenoCode™ Signature Detector			
Quantity				
Up to 20 Slides				
Storage & Stability				
Component #	Component Description	Storage Temp	Storage Notes	Stability
232151S	Anti-Hu CD8 (AKYP0028)-BX026	4°C	Do Not Freeze	Refer to expiration date on antibody tube
PCSD026	HRP-HX069 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-lymphocyte differentiation antigen T8/Leu-2
Cell Type Expression	Primarily Cytotoxic T cells and Cortical Thymocytes, some NK cells and Dendritic cells
Expected Localization	Membrane
Reactivity	Human, Mouse, Rat
Host Species/Isotype	Mouse IgG1 kappa
Clonality	Monoclonal

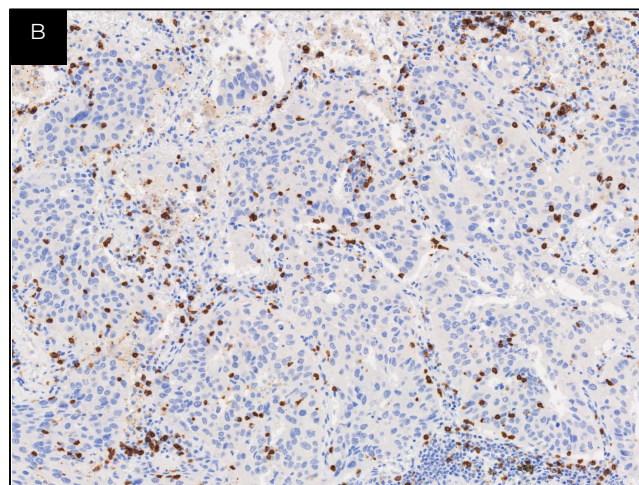
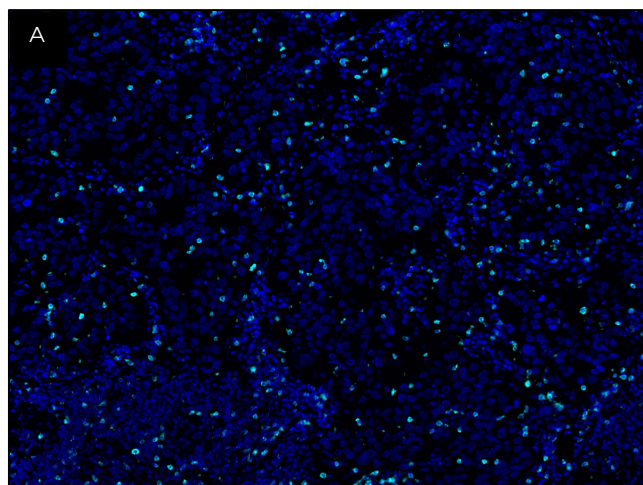
PhenoCode Signature Workflow			
Tissue Type	Sample Types Used for Testing	Recommended Starting Dilution	Opal® Dye
Human FFPE	Tonsil, Lung Cancer	1:2000 – 1:5000	Opal 480

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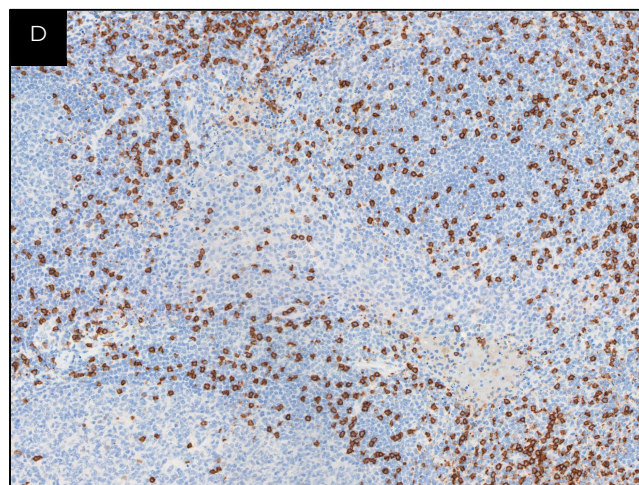
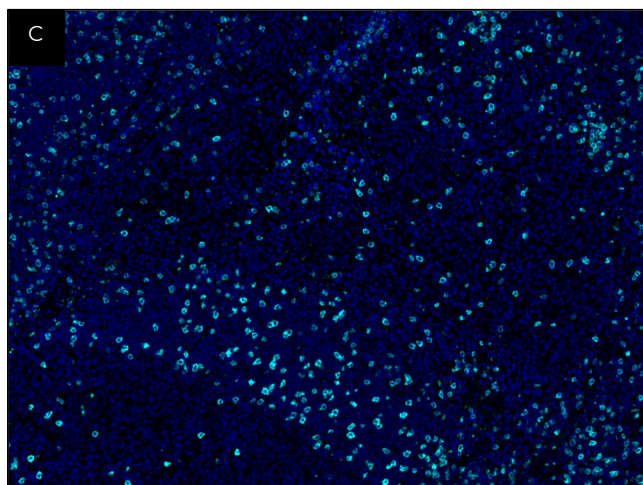
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CD8 is a membrane protein that is primarily expressed by cytotoxic T cells and cortical thymocytes, and some NK cells and dendritic cells. CD8 is a co-receptor with MHC Class I on the surface of T cells and functions in antigen recognition and T cell activation. The following images compare the performance of anti-CD8 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-CD8 paired with Opal 480 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-CD8 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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