



# Anti-Hu CD45RO (AKYP0059)-BX017 for PhenoCode Signature

## CATALOG # S6501012

Components							
232188	Anti-Hu CD45RO (AKYP0059)-BX017						
PCSD017	HRP-HX017 PhenoCode™ Signature Detector						
Quantity							
Up to 20 Slides							
Storage & Stability							
Component #	Component Description	Storage Temp	Storage Notes	Stability			
232188	Anti-Hu CD45RO (AKYP0059)-BX017	4°C	Do Not Freeze	Refer to expiration date on			
				antibody tube			

Target & Clone Information					
Alternative Name/s	N/A				
Cell Type Expression	Predominantly Memory T cells and Activated T cells, some B cell subsets, Activated Monocytes/Macrophages, and Granulocytes				
Expected Localization	Membrane				
Reactivity	Human				
Host Species/Isotype	Mouse IgG2a, к				
Clonality	Monoclonal				

PhenoCode Signature Workflow						
Tissue Type	Sample Types Used for Testing	Recommended Starting Dilution	Opal® Dye			
Human FFPE	Tonsil, Lung Cancer	1:800	Opal 520			

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CD45RO is a transmembrane protein and cell marker of primarily Memory T cells and Activated T cells. It plays a role in modulation of T cell receptor and B cell receptor-mediated activation signaling pathways. The following images compare the performance of anti-CD45RO 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-CD45RO paired with Opal 520 was used in the PhenoCode Signature T Cell Status Human Protein Panel on lung cancer tissue. **B.** The image on the right shows human FFPE lung cancer tissue stained with DAB using unconjugated anti-CD45RO antibody. Each assay was performed using the same tissue block; sections were chosen to be as close as possible. **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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