



Anti-Hu CD163 (AKYP0114)-BX069 for PhenoCode Signature

CATALOG # S6501005

Components				
240182	Anti-Hu CD163 (AKYP0114)-BX069			
PCSD069	HRP-HX069 PhenoCode™ Signature Detector			
Quantity				
Up to 20 Slides				
Storage & Stability				
Component #	Component Description	Storage Temp	Storage Notes	Stability
240182	Anti-Hu CD163 (AKYP0114)-BX069	4°C	Do Not Freeze	Refer to expiration date on antibody tube
PCSD069	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	Scavenger receptor cysteine-rich type 1 protein M130, Hemoglobin scavenger receptor
Cell Type Expression	Primarily M2 Macrophages, Monocytes
Expected Localization	Membrane
Reactivity	Human, Mouse, Rat
Host Species/Isotype	Rabbit IgG
Clonality	Monoclonal

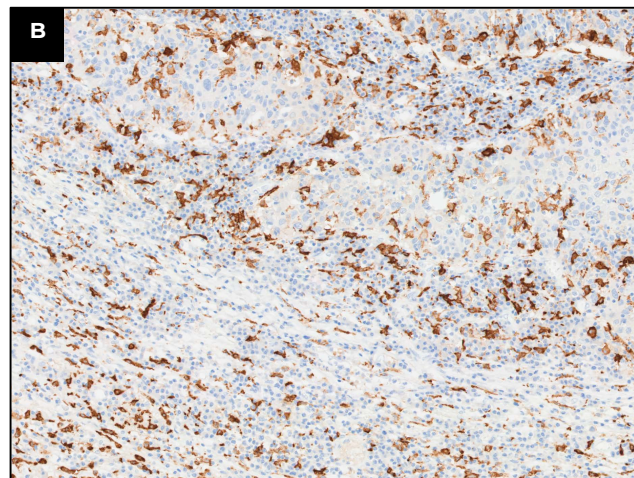
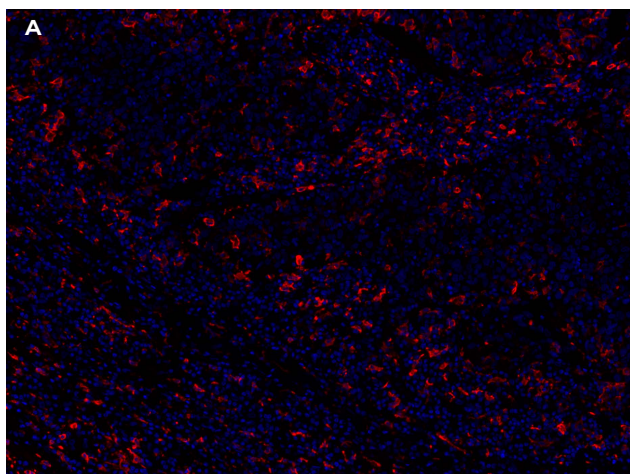
PhenoCode Signature Workflow			
Tissue Type	Sample Types Used for Testing	Recommended Starting Dilution	Opal® Dye
Human FFPE	Tonsil, Lung Cancer	1:300-1:1200	Opal 620

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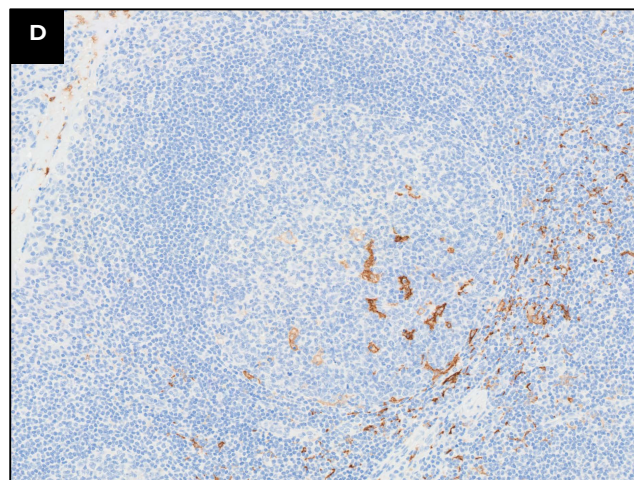
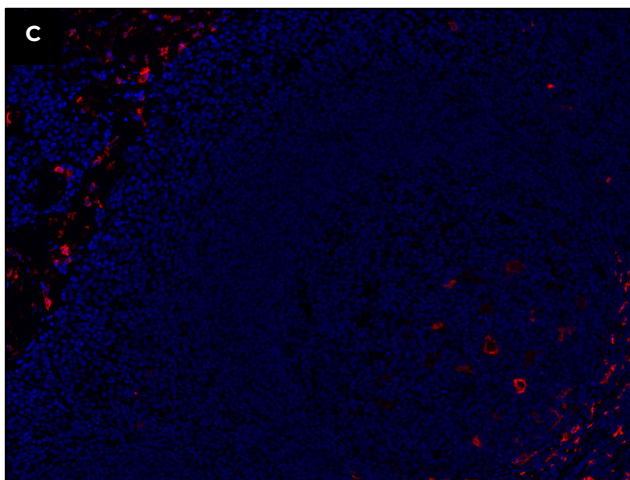
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CD163 is a membrane protein primarily expressed on the surface of monocytes and mature macrophages in liver (Kupffer cells), spleen (red pulp macrophages), thymus (cortical macrophages) bone marrow and the CNS. CD163 is a differentiation marker for M2 macrophages, which are associated with anti-inflammatory phenotypes. The following images compare the performance of anti-CD163 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-CD163 paired with Opal 620 was used in the PhenoCode Signature M1/M2 Polarization 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-CD163 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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