



## Anti-Hu CD68 (AKYP0050)-BX015 for PhenoCode Signature

CATALOG # S6501004

Components				
232176	Anti-Hu CD68 (AKYP0050)-BX015			
PCSD015	HRP-HX015 PhenoCode™ Signature Detector			
Quantity				
Up to 20 Slides				
Storage & Stability				
Component #	Component Description	Storage Temp	Storage Notes	Stability
232176	Anti-Hu CD68 (AKYP0050)-BX015	4°C	Do Not Freeze	Refer to expiration date on antibody tube
PCSD015	HRP-HX015 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)	Macrosialin, Gp110
Cell Type Expression	Macrophages, Myeloid-derived cells, Monocytes, Neutrophils, Basophils, Dendritic cells
Expected Localization	Membrane, Cytoplasm
Reactivity	Human
Host Species/Isotype	Mouse IgG1 kappa
Clonality	Monoclonal

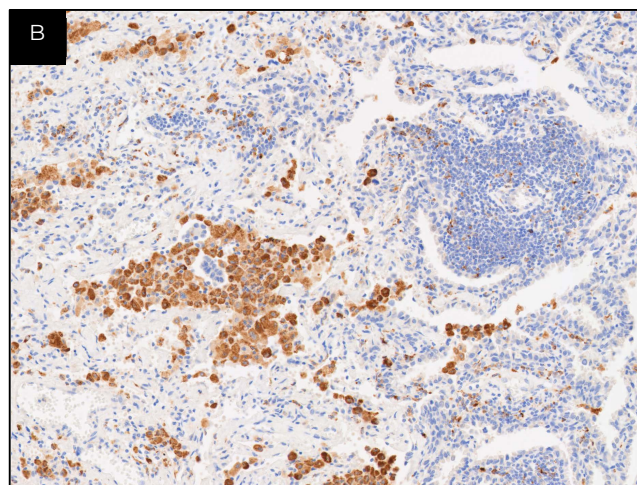
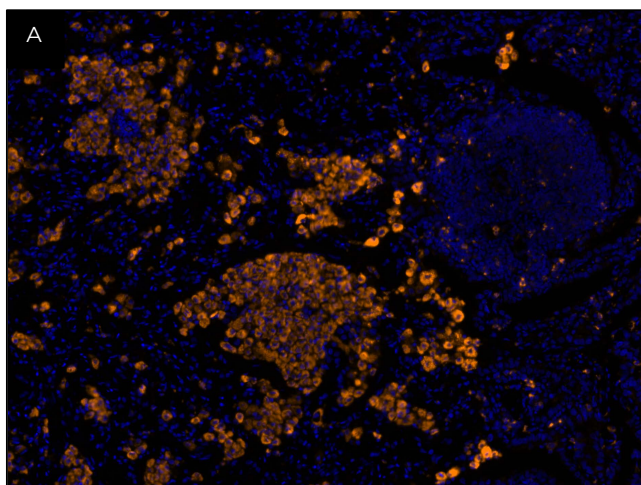
PhenoCode Signature Workflow			
Tissue Type	Sample Types Used for Testing	Recommended Starting Dilution	Opal® Dye
Human FFPE	Tonsil, Lung Cancer	1:8000	Opal 780

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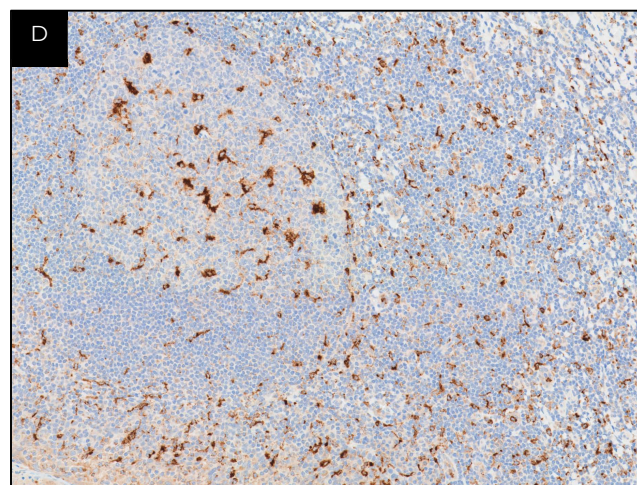
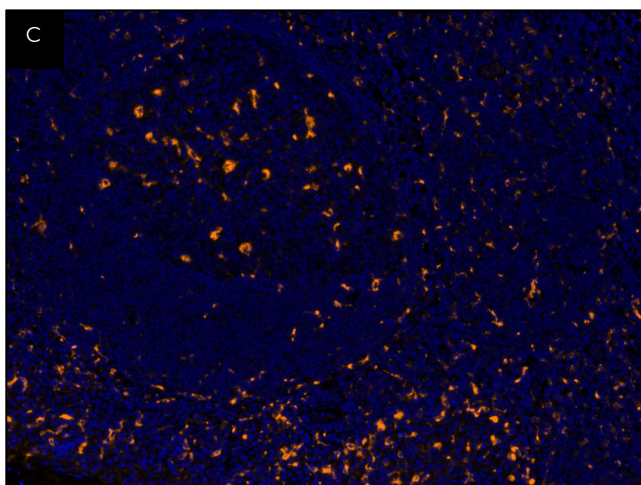
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CD68 localizes intracellularly to lysosomal membranes and on the cell membrane. CD68 is a protein related to the family of lysosomal associated membrane proteins (lamps) and is primarily expressed in macrophages and some dendritic cells (some Langerhans cells), neutrophils, and basophils. The following images compare the performance of anti-CD68 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-CD68 paired with Opal 780 was used in the PhenoCode Signature Immuno-Contexture 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-CD68 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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