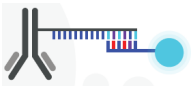

Anti-Hu CD107a(AKYP0004)-BX006 for PhenoCode Discovery

ANTIBODY CATALOG # 232125

Kit Catalog Numbers

Included as a component in antibody kits:

PhenoCode™ Discovery Lymphocyte Profiling Human Protein Module

4550098: Anti-Hu CD107a(AKYP0004)-BX006—Alexa Fluor™ 647

4450101: Anti-Hu CD107a(AKYP0004)-BX006—Alexa Fluor™ 750 (Optimized for PhenoCycler®-Fusion)

Quantity

Up to 25 tests

Target & Clone Information

Synonym/s	LGP-120, LAMP-1
Cell Type Expression	CD8+ T cells, NK cells, macrophages, cancer cells with metastatic potential
Expected Localization	Membrane, Intracellular, Lysosomes
Supplier-Verified Reactivity	Human
Supplier-Reported Reactivity	African Green, Baboon, Chimpanzee, Cynomolgus, Pigtailed Macaque, Rhesus
Host Species/Isotype	Mouse IgG1
Clonality	Monoclonal

PhenoCycler Workflow

RECOMMENDED STARTING TITRATIONS AND EXPOSURE TIMES:

Tissue Type	Sample Type	Reporter Dye	Recommended Titration	Recommended Exposure Time* (ms)
Hu FFPE	Tonsil	Alexa Fluor 647	1:200	--
Hu FFPE	Tonsil	Alexa Fluor 750**	1:200	125
Hu FFPE	Lung cancer	Alexa Fluor 750**	1:200	125

*Recommendation is for PhenoCycler-Fusion only.
**Optimized for PhenoCycler-Fusion.

Antigen retrieval conditions: AR9 (Akoya, Part# AR900250ML)

Notes: N/A

Anti-Hu CD107a(AKYP0004)-BX006 for PhenoCode Discovery

ANTIBODY CATALOG # 232125

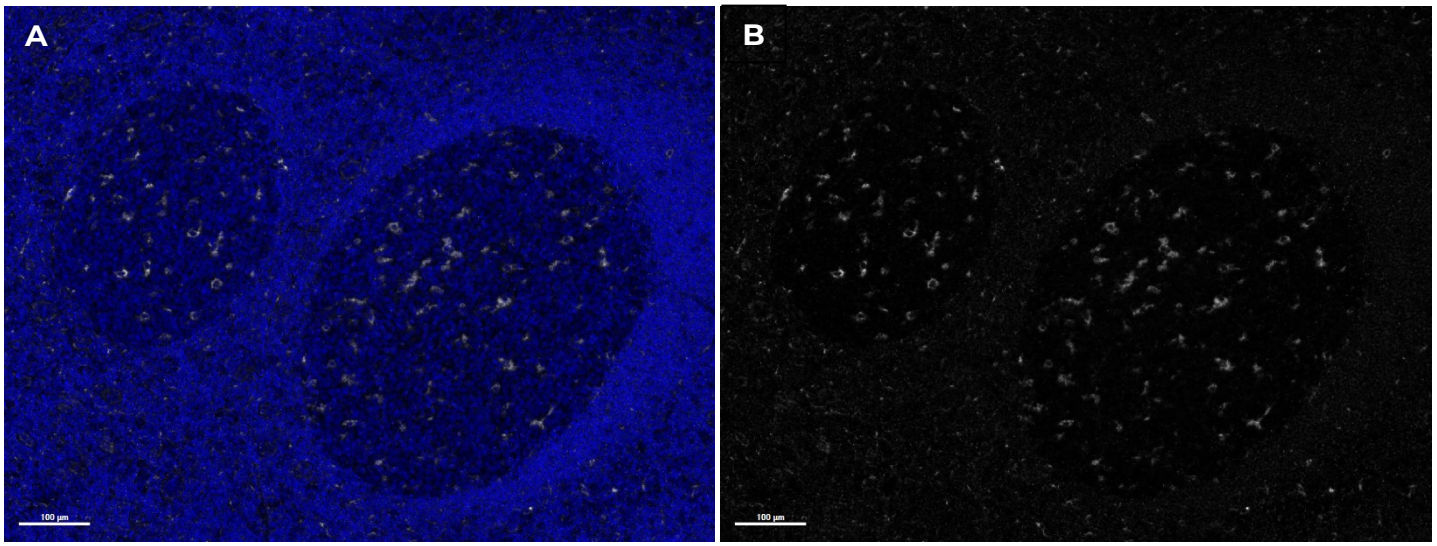

FIGURE 1. Human FFPE tonsil section stained with CD107a PhenoCode Antibody and nuclear stain. An FFPE tonsil tissue section was stained with PhenoCode antibody Anti-Hu CD107a(AKYP0004)-BX006 (detected using Alexa Fluor™ 750 reporter). Imaging performed using a 20X objective using the PhenoCycler-Fusion system. Representative imaging regions showing CD107a (white) and nuclear stain (blue). Antigen retrieval was performed using AR9 (Akoya, PN #: AR900250ML). CD107a was diluted 1:200. **A.** Zoomed in region showing CD107a (white) and nuclear stain (blue). **B.** Zoomed in region showing CD107a (white) only.

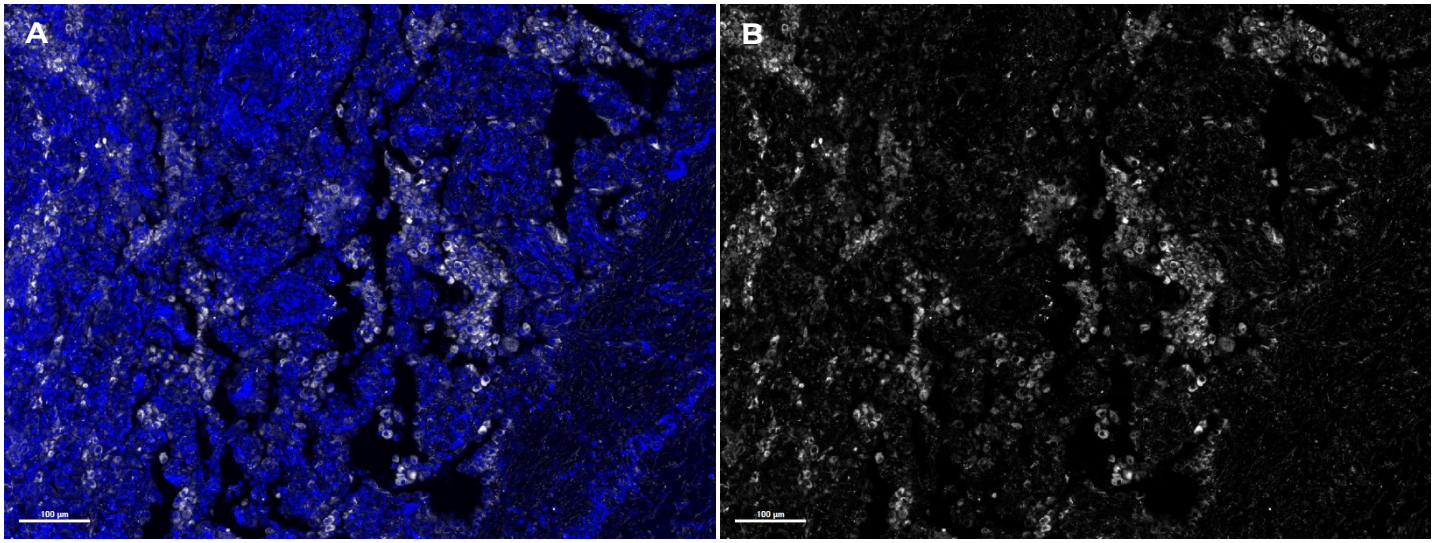

FIGURE 2. Human FFPE tonsil section stained with CD107a PhenoCode Antibody and nuclear stain. An FFPE tonsil tissue section was stained with PhenoCode antibody Anti-Hu CD107a(AKYP0004)-BX006 (detected using Alexa Fluor™ 750 reporter). Imaging performed using a 20X objective using the PhenoCycler-Fusion system. Representative imaging regions showing CD107a (white) and nuclear stain (blue). Antigen retrieval was performed using AR9 (Akoya, PN #: AR900250ML). CD107a was diluted 1:200. **A.** Zoomed in region showing CD107a (white) and nuclear stain (blue). **B.** Zoomed in region showing CD107a (white) only.

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