

## Anti-CD107a Antibody-APC labeled

Catalog #	Source	Reactivity	Applications
CFB8846	Rat	M	IF, FC
<b>Description</b>	Rat monoclonal antibody APC labeled to CD107a		
<b>Immunogen</b>	This monoclonal antibody was raised against NIH/3T3 mouse embryo fibroblast tissue culture cell membranes. It has been mapped to the N-terminus of LAMP-1.		
<b>Purification</b>	The antibody was purified by affinity chromatography.		
<b>Specificity</b>	Recognizes mouse CD107a		
<b>Clonality</b>	Monoclonal (clone: 1D4B)		
<b>Conjugation</b>	APC		
<b>Form</b>	Rat IgG2a kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.		
<b>Dilution</b>	10 µl / assay		
<b>Gene Symbol</b>	LAMP1		
<b>Alternative Names</b>	Lysosome-associated membrane glycoprotein 1; LAMP-1; Lysosome-associated membrane protein 1; CD107 antigen-like family member A; CD107a		
<b>Entrez Gene</b>	16783 (Mouse)		
<b>SwissProt</b>	P11438 (Mouse)		
<b>Directions for Use</b>	<ol style="list-style-type: none"> <li>1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube.</li> <li>2. Add 10 µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light.</li> <li>3. Add 2 ml RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells.</li> <li>4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the</li> </ol>		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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## Product Data Sheet

supernatant.

5. Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant.

6. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).

### Storage/Stability

Shipped and store at 4°C for one year. Do not freeze.

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