

### 30-2834: Anti-Hu CD107b Purified Azide Free

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	H4B4
<b>Application :</b>	FACS, WB, IHC, IHC-Fr, ICC
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	Purified Azide Free
<b>Gene :</b>	LAMP2
<b>Gene ID :</b>	3920
<b>Uniprot ID :</b>	P13473
<b>Alternative Name :</b>	lysosomal associated membrane protein 2 LAMP-2, LAMPB
<b>Immunogen Information :</b>	Human PBMC

#### Description

CD107b (lysosome-associated membrane protein-2, LAMP-2), together with CD107a / LAMP-1, is a major constituent of lysosomal membrane. The LAMP proteins are involved in lysosome biogenesis and are required for fusion of lysosomes with phagosomes, especially CD107b is important regulator in successful phagosomal maturation. CD107b deficiency causes an accumulation of autophagosomes in many tissues leading to cardiomyopathy and myopathy (Danons disease). Immature CD107b is an approximately 45 kDa protein, but after extensive glycosylation the mature glycoprotein has about 100-120 kDa.

Specificity :The mouse monoclonal antibody H4B4 recognizes an extracellular/luminal epitope of CD107b / LAMP-2, an extensively glycosylated 100-120 kDa widely expressed lysosome-associated protein.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	Concentration: 1 mg/ml
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Flow cytometry: Intracellular and extracellular staining; recommended dilution: 1-2  $\mu$ g/ml.

Immunohistochemistry: Recommended dilution: 2-8  $\mu$ g/ml.