

30-2834: Anti-Hu CD107b Purified Azide Free

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

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

Application Note

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

Immunohistochemistry: Recommended dilution: 2-8 μ g/ml.