

A4-672-T025

Monoclonal Antibody to CD107b Alexa Fluor® 488 conjugated (25 tests)

Clone: **H4B4**

Isotype: Mouse IqG1

Specificity: The mouse monoclonal antibody H4B4 recognizes CD107b / LAMP-2, an

extensively glycosylated 100-120 kDa widely expressed lysosome-associated

protein.

HLDA V.; WS Code P007

Regulatory Status: RUO

Human PBMC Immunogen:

Species Reactivity: Human

Negative Species: Mouse. Rat

The purified antibody is conjugated with Alexa Fluor® 488 under optimum **Preparation:**

conditions. The conjugate is purified by size-exclusion chromatography and

adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 0.02% sodium azide.

Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not Storage / Stability:

use after expiration date stamped on vial label.

The reagent is designed for Flow Cytometry analysis of human blood cells using 4 μ l reagent / 100 μ l of whole blood or 10 6 cells in a suspension. Usage:

The content of a vial (0.1 ml) is sufficient for 25 tests.

Expiration: See vial label

See vial label

Lot Number:

CD107b (lysosome-associated membrane protein-2, LAMP-2), together with **Background:**

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.



PRODUCT DATA SHEET

References:

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*And many other.

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