

Anti-Human CD107b-161Dy

Catalog: 3161017B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Human

Clone: H4B4

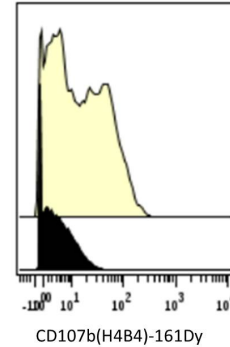
Isotype: IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human MOLT-4 cells (top) and human HT29 cells (bottom) stained with 161Dy-anti-CD107b(H4B4).

Description

The monoclonal antibody H4B4 reacts specifically with CD107b, a 120 kDa highly glycosylated type I transmembrane protein, also known as LAMP-2 (lysosomal-associated membrane protein-2). CD107b is expressed in lysosomal/endosomal membranes on a wide variety of cell types. CD107b is also expressed on degranulating T cells, activated platelets and expression has been reported in tumor cell lines. There is evidence that CD107b is involved in protecting the inner surface of the lysosomal membrane and cancer metastasis.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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