For Research Use Only

## MultiPro<sup>TM</sup> 5CFLX Anti-Human CD107b/LAMP2 (H4B4)



Catalog Number: G65053-1-5C

**Basic Information** 

Catalog Number: G65053-1-5C Size:

500ug/mL Source: Mouse Isotype: IgG1, kappa

ENSEMBL Gene ID: ENSG0000005893 UNIPROT ID: P13473 Full Name:

BC002965

3920

GeneID (NCBI):

MultiPro<sup>TM</sup> 5CFLX Anti-Human CD107b/LAMP2 (H4B4)

GenBank Accession Number:

CloneNo.: H4B4

Conjugate: 5CFLX Full Oligo Sequence:

CGGAGATGTGTATAAGAGACAGCCGT TCTCCATCTTGCCCATATAAGAAA

Barcode Sequence: CCGTTCTCCATCTTG

**Applications** 

Tested Applications: Single Cell (Intra) Species Specificity: Human

## **Background Information**

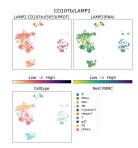
LAMP2 (CD107b) is a Lysosomal membrane glycoprotein. LAMP2 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis (PMID: 10521503). Although LAMP-2 is localized primarily in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane under certain circumstances, e.g., after platelet activation, during granulocytic differentiation and activation, and in some tumor cells (PMID: 12221139). LAMP is involved in lysosomal stability and autophagy (PMID: 12221139). This glycoprotein provides selectins with carbohydrate ligands. LAMP2 may plays a role in tumor cell metastasis (PMID 9426697).

Storage

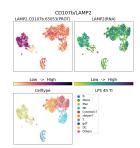
Storage: 2-8°C Storage Buffer:

PBS with 1mM EDTA and 0.09% sodium azide

## Selected Validation Data



G65053-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G65053-1-5C was used to stain PBMC under 4hr LPS + TI treatment and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.