

For Research Use Only

# MultiPro™ 5CFLX Anti-Human CD8 (SK1)



Catalog Number: G65146-1-5C

## Basic Information

<b>Catalog Number:</b> G65146-1-5C	<b>GenBank Accession Number:</b> BC025715	<b>CloneNo.:</b> SK1
<b>Size:</b> 10ug, Concentration: 500ug/mL by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 925	<b>Conjugate:</b> 5CFLX
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000153563	<b>Full Oligo Sequence:</b> CGGAGATGTGTATAAGACAGATTA GATTGGTTAACCCCATATAAGAAA
<b>Isotype:</b> IgG1, kappa	<b>Full Name:</b> MultiPro™ 5CFLX Anti-Human CD8 (SK1)	<b>Barcode Sequence:</b> ATTAGATTGGTTAAC

## Applications

**Tested Applications:**  
Single Cell (Intra)

**Species Specificity:**  
Human

## Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8 $\alpha$  or as a heterodimer of CD8 $\alpha$  and CD8 $\beta$  (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 $\alpha\beta$  heterodimer while CD8 $\alpha\alpha$  homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR)  $\gamma\delta$  T cells and on NK cells (PMID: 2111591; 1831127; 8420975). CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T cell activation (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells (PMID: 1968084).

## Storage

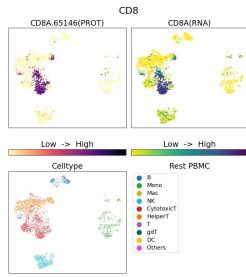
**Storage:**  
2-8°C

**Storage Buffer:**  
PBS with 1mM EDTA and 0.09% sodium azide

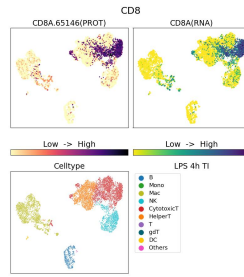
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



G65146-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G65146-1-5C 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.