

# MultiPro<sup>™</sup> 5CFLX Anti-Human CD8 (SK1)

Catalog Number: **G65146-1-5C**

## Basic Information

Catalog Number:	GenBank Accession Number:	CloneNo.:
G65146-1-5C	BC025715	SK1
Size:	GeneID (NCBI):	Conjugate:
500ug/mL	925	5CFLX
Source:	ENSEMBL Gene ID:	Full Oligo Sequence:
Mouse	ENSG00000153563	CGGAGATGTGTATAAGACAGATTA GATTGGTTAACCCCATATAAGAAA
Isotype:	Full Name:	Barcode Sequence:
IgG1, kappa	MultiPro <sup>™</sup> 5CFLX Anti-Human CD8 (SK1)	ATTAGATTGGTTAAC

## Applications

Tested Applications:  
Single Cell (Intra)

Species Specificity:  
Human

## Background Information

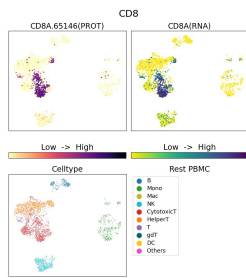
CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8  $\alpha$  or as a heterodimer of CD8  $\alpha$  and CD8  $\beta$  (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly 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

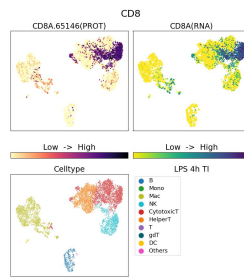
Storage:  
2-8°C

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

## 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.