

# MultiPro<sup>™</sup> 5CFLX Anti-Human IL-6 (4G3E6)

Catalog Number: **G69001-1-5C**

## Basic Information

Catalog Number:	GenBank Accession Number:	CloneNo.:
G69001-1-5C	GeneID (NCBI):	4G3E6
Size:	5569	Conjugate:
500ug/mL	ENSEMBL Gene ID:	5CFLX
Source:	ENSG00000136244	Full Oligo Sequence:
Mouse	Full Name:	CGGAGATGTGTATAAGACAGACCG CACAGCGAATCCCATATAAGAAA
Isotype:	MultiPro <sup>™</sup> 5CFLX Anti-Human IL-6 (4G3E6)	Barcode Sequence:
IgG1		ACCGCACAGCGAATT
Immunogen Catalog Number:		
HZ-1019		

## Applications

Tested Applications:  
Single Cell (Intra)

Species Specificity:  
Human

## Background Information

Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as phosphorylated and variably glycosylated molecule. IL-6 plays an essential role in the final differentiation of B-cells into Ig-secreting cells involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. IL-6 is also considered a myokine, a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 has been shown to interact with interleukin-6 receptor and glycoprotein 130. Additionally, IL-6 is involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined an essential role in directing transition from innate to acquired immunity.

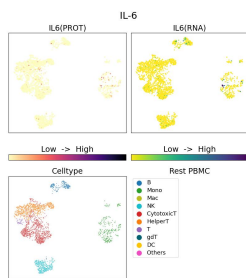
This antibody can be used to neutralize the bioactivity of IL-6.

## Storage

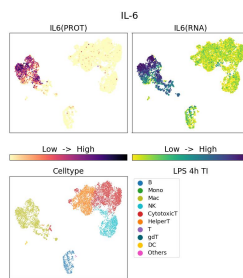
Storage:  
2-8°C

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

## Selected Validation Data



G69001-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G69001-1-5C 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.