

For Research Use Only



# MultiPro™ 5CFLX Anti-Human TNF Alpha (7B8A11)

Catalog Number:G60291-1-5C

## Basic Information

<b>Catalog Number:</b> G60291-1-5C	<b>GenBank Accession Number:</b> BC028148	<b>CloneNo.:</b> 7B8A11
<b>Size:</b> 500ug/mL	<b>GeneID (NCBI):</b> 7124	<b>Conjugate:</b> 5CFLX
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000232810	<b>Full Oligo Sequence:</b> CGGAGATGTGTATAAGACAGACAC CGTATGATAGGCCCATATAAGAAA
<b>Isotype:</b> IgG2b	<b>UNIPROT ID:</b> P01375	<b>Barcode Sequence:</b> ACACCGTATGATAGG
<b>Immunogen Catalog Number:</b> AG11413	<b>Full Name:</b> MultiPro™ 5CFLX Anti-Human TNF Alpha (7B8A11)	

## Applications

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

**Species Specificity:**  
Human

## Background Information

TNF, as also known as TNF-alpha, or cachectin, is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. It is expressed as a 26 kDa membrane bound protein and is then cleaved by TNF-alpha converting enzyme (TACE) to release the soluble 17 kDa monomer, which forms homotrimers in circulation. It is produced chiefly by activated macrophages, although it can be produced by many other cell types such as CD4+ lymphocytes, NK cells, neutrophils, mast cells, eosinophils, and neurons. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, INS resistance, and cancer.

## 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:

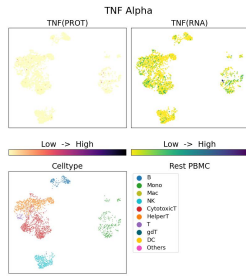
T: 4006900926

E: Proteintech-CN@ptglab.com

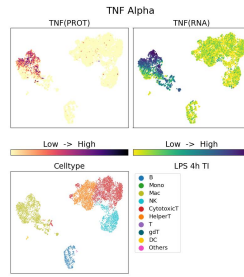
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



G60291-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G60291-1-5C 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.