

For Research Use Only

# MultiPro™ 5CFLX Anti-Human STAT5B (1D9B11)



Catalog Number: G66427-1-5C

## Basic Information

<b>Catalog Number:</b> G66427-1-5C	<b>GenBank Accession Number:</b> BC020868	<b>CloneNo.:</b> 1D9B11
<b>Size:</b> 500ug/mL	<b>GeneID (NCBI):</b> 6777	<b>Conjugate:</b> 5CFLX
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000173757	<b>Full Oligo Sequence:</b> CGGAGATGTGTATAAGACAGCTCC TATTGGAGTGGCCCATATAAGAAA
<b>Isotype:</b> IgG2a	<b>UNIPROT ID:</b> P51692	<b>Barcode Sequence:</b> CTCCTATTGGAGTGG
<b>Immunogen Catalog Number:</b> AG2709	<b>Full Name:</b> MultiPro™ 5CFLX Anti-Human STAT5B (1D9B11)	

## Applications

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

**Species Specificity:**  
Human

## Background Information

STAT5B belongs to the transcription factor STAT family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. STAT5B carries out a dual function: signal transduction and activation of transcription. STAT5B mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different GH. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. Despite the 95% homology between the immunogen (Ag2709) and the STAT5A protein, our WB detection showed that this antibody does not recognize the STAT5A fusion protein (Ag19546).

## 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:

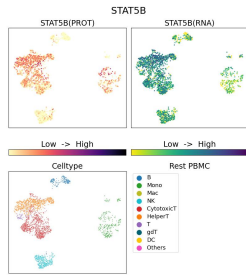
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

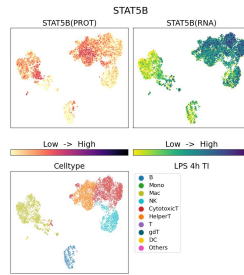
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



G66427-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G66427-1-5C 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.