

For Research Use Only

MultiPro™ 5CFLX Anti-Human IL-1 Beta (2A1B4)



Catalog Number: G66737-1-5C

Basic Information

Catalog Number: G66737-1-5C	GenBank Accession Number: BC008678	CloneNo.: 2A1B4
Size: 10ug, Concentration: 500ug/mL by Bradford method using BSA as the standard;	GeneID (NCBI): 3553	Conjugate: 5CFLX
Source: Mouse	ENSEMBL Gene ID: ENSG00000125538	Full Oligo Sequence: CGGAGATGTGTATAAGACAGTGAG TGGATTGTTCTCCCATATAAGAAA
Isotype: IgG1	UNIPROT ID: P01584	Barcode Sequence: TGAGTGGATTGTTCT
Immunogen Catalog Number: AG26030	Full Name: MultiPro™ 5CFLX Anti-Human IL-1 Beta (2A1B4)	

Applications

Tested Applications:
Single Cell (Intra)

Species Specificity:
Human

Background Information

Interleukin-1 is a pro-inflammatory cytokine with multiple biological effects. The IL-1 gene family encodes three proteins: IL-1 α , IL-1 β and their naturally occurring inhibitor IL-1RN. IL-1 Beta(IL-1 β), mainly produced by blood monocytes and tissue macrophages, has been implicated in mediating both acute and chronic inflammation. IL-1 β is known to be involved in a variety of cellular activities, including cell proliferation, differentiation and apoptosis. IL-1 β is emerging as a key mediator of carcinogenesis that characterizes host-environment interactions. Human IL-1 β is synthesized as a 31 kDa precursor. To gain activity, the precursor must be cleaved by caspase-1 between Asp116 and Ala117 to yield a 17 kDa mature form.

Storage

Storage:
2-8°C

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

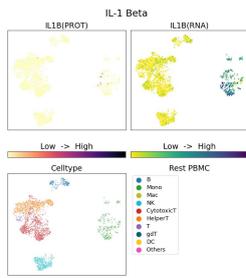
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

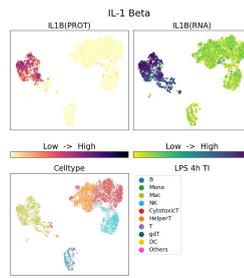
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



G66737-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G66737-1-5C 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.