

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

Catalog Number: G66737-1-5C

Basic Information

Catalog Number:	GenBank Accession Number:	CloneNo.:
G66737-1-5C	BC008678	2A1B4
Size:	GeneID (NCBI):	Conjugate:
500ug/mL	3553	5CFLX
Source:	ENSEMBL Gene ID:	Full Oligo Sequence:
Mouse	ENSG00000125538	CGGAGATGTGTATAAGACAGTGAG TGGATTGTTCTCCCATATAAGAAA
Isotype:	UNIPROT ID:	Barcode Sequence:
IgG1	P01584	TGAGTGGATTGTTCT
Immunogen Catalog Number:	Full Name:	
AG26030	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

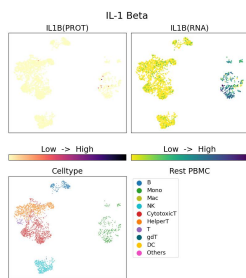
Storage:

2-8°C

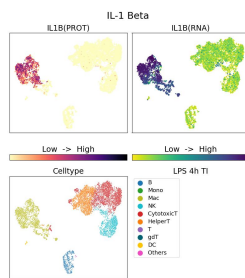
Storage Buffer:

PBS with 1mM EDTA and 0.09% sodium azide

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.