

For Research Use Only

MultiPro™ 5CFLX Anti-Human MFN2 (5F3B3)



Catalog Number: G67487-1-5C

Basic Information

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|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Catalog Number: G67487-1-5C | GenBank Accession Number: BC017061 | CloneNo.: 5F3B3 |
| Size: 10ug, Concentration: 500ug/mL by Bradford method using BSA as the standard; | GeneID (NCBI): 9927 | Conjugate: 5CFLX |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000116688 | Full Oligo Sequence: CGGAGATGTGTATAAGACAGCGCC ACCAATGACCTCCCATATAAGAAA |
| Isotype: IgG2a | UNIPROT ID: O95140 | Barcode Sequence: CGCCACCAATGACCT |
| Immunogen Catalog Number: AG29873 | Full Name: MultiPro™ 5CFLX Anti-Human MFN2 (5F3B3) | |

Applications

Tested Applications:
Single Cell (Intra)

Species Specificity:
Human

Background Information

MFN2, also named as CPRP1 and KIAA0214, belongs to the mitofusin family. It is an Essential transmembrane GTPase, which mediates mitochondrial fusion. MFN2 acts independently of the cytoskeleton. It therefore plays a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes. Overexpression of MFN2 induces the formation of mitochondrial networks. It plays an important role in the regulation of vascular smooth muscle cell proliferation. Defects in MFN2 are the cause of Charcot-Marie-Tooth disease type 2A2 (CMT2A2). Defects in MFN2 are the cause of Charcot-Marie-Tooth disease type 6 (CMT6). Ubiquitinated forms of Mfn2 (mono- and polyubiquitinated) are present during mitophagy.

Storage

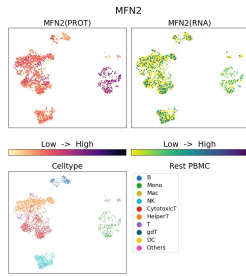
Storage:
2-8°C

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

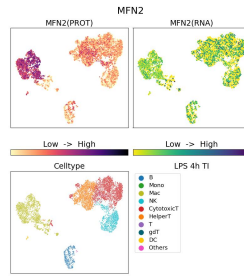
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

Selected Validation Data



G67487-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G67487-1-5C 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.