

MultiPro[™] 5CFLX Anti-Human Vimentin (Polyclonal)

Catalog Number: **G10366-1-5C**

Basic Information

Catalog Number: G10366-1-5C	GenBank Accession Number: BC000163	Conjugate: 5CFLX
Size: 500ug/mL	GeneID (NCBI): 7431	Full Oligo Sequence: CGGAGATGTGTATAAGACAGTCCT AATCGTATTGCCCATATAAGAAA
Source: Rabbit	ENSEMBL Gene ID: ENSG00000026025	Barcode Sequence: TCCTAATCGTATTGC
Isotype: IgG	UNIPROT ID: P08670	
Immunogen Catalog Number: AG0489	Full Name: MultiPro [™] 5CFLX Anti-Human Vimentin (Polyclonal)	

Applications

Tested Applications:
Single Cell (Intra)

Species Specificity:
Human

Background Information

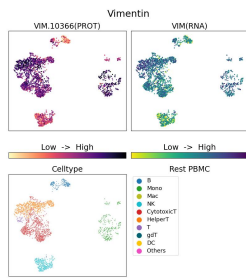
Vimentin, also named as VIM, belongs to the intermediate filament family. Vimentin is class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is important for stabilizing the architecture of the cytoplasm. Monocyte-derived macrophages secrete vimentin into the extracellular space in vitro. Secretion of vimentin was enhanced by the proinflammatory cytokine tumor necrosis factor- α (TNF α ; 191160) and inhibited by the antiinflammatory cytokine IL10 (124092), suggesting that vimentin is involved in the immune response. Vimentin has specialized functions that contribute to specific dynamic cellular processes. As a phosphoprotein, 55-60 kDa of vimentin proteins can be observed due to the different phosphorylation level. Isoforms of vimentin (49 kDa and 60 kDa) had also been reported. (PMID: 8640945, 22728585).

Storage

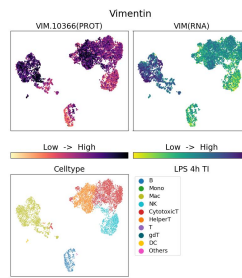
Storage:
2-8°C

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

Selected Validation Data



G10366-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G10366-1-5C 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.