

For Research Use Only

MultiPro™ 5CFLX Anti-Human CD31 (3F8E2)



Catalog Number: G66065-2-5C

Basic Information

| | | |
|---|---|---|
| Catalog Number: G66065-2-5C | GenBank Accession Number: BC022512 | CloneNo.: 3F8E2 |
| Size: 10ug, Concentration: 500ug/mL by Bradford method using BSA as the standard; | GeneID (NCBI): 5175 | Conjugate: 5CFLX |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000261371 | Full Oligo Sequence: CGGAGATGTGTATAAGACAGTATA ACACCTGGTATCCCATATAAGAAA |
| Isotype: IgG1 | UNIPROT ID: P16284 | Barcode Sequence: TATAACACCTGGTAT |
| Immunogen Catalog Number: AG19730 | Full Name: MultiPro™ 5CFLX Anti-Human CD31 (3F8E2) | |

Applications

Tested Applications:
Single Cell (Intra), Single Cell

Species Specificity:
Human

Background Information

Platelet endothelial cell adhesion molecule-1 (PECAM-1, CD31) is a member of the immunoglobulin gene superfamily of cell adhesion molecules. CD31 is a transmembrane glycoprotein that is highly expressed on the surface of the endothelium, making up a large portion of its intracellular junctions. PECAM-1 is also present on the surface of hematopoietic cells and immune cells including platelets, monocytes, neutrophils, natural killer cells, megakaryocytes and some types of T-cell (PMID: 9011572). As well as its role in cell-cell adhesion, PECAM-1 functions as a signaling receptor, and is involved in important physiological events such as nitric oxide production, regulation of T-cell immunity and tolerance, leukocyte transendothelial migration and inflammation and angiogenesis (PMID: 21183735; 20978210; 17872453; 20634489).

Storage

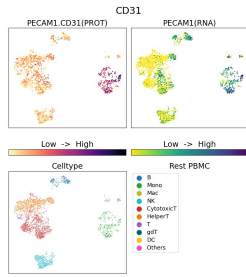
Storage:
2-8°C

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

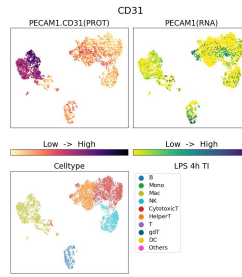
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

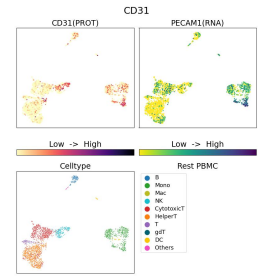
Selected Validation Data



G66065-2-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G66065-2-5C 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.



G66065-2-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Stain-Fix protocol.