

MultiPro[™] 5CFLX Anti-Human S100A4 (2G11B4)

Catalog Number: G66489-1-5C

Basic Information

Catalog Number: G66489-1-5C	GenBank Accession Number: BC016300	CloneNo.: 2G11B4
Size: 500ug/mL	GeneID (NCBI): 6275	Conjugate: 5CFLX
Source: Mouse	ENSEMBL Gene ID: ENSG00000196154	Full Oligo Sequence: CGGAGATGTGTATAAGACAGGTAC CGCGCTCGAGACCCATATAAGAAA
Isotype: IgG2a	UNIPROT ID: P26447	Barcode Sequence: GTACCGCGCTCGAGA
Immunogen Catalog Number: AG9019	Full Name: MultiPro [™] 5CFLX Anti-Human S100A4 (2G11B4)	

Applications

Tested Applications:
Single Cell (Intra)

Species Specificity:
Human

Background Information

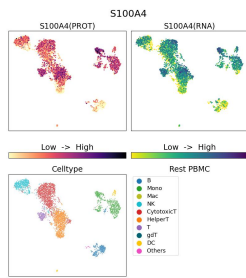
S100A4 is a member of the S100 family of calcium-binding proteins. The S100 family members have been involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A4 is known to localize to and function in the nucleus, cytoplasm of cells, and the extracellular space. S100A4 has also been shown to be associated with tumor growth, motility, invasion, metastasis, angiogenesis, apoptosis, and chemoresistance. It is a fibroblast-specific protein associated with mesenchymal cell morphology and motility, is expressed during epithelial-mesenchymal transformations (EMT) in vivo (PMID: 9362334). It is a specific prognostic marker for renal survival in patients with IgAN (PMID: 16105038). It is also an improved marker for lung fibroblasts that could be useful for investigating the pathogenesis of pulmonary fibrosis (PMID: 15618458). Overexpression of S100A4 is correlated with a worse prognosis in patients with various types of cancer.

Storage

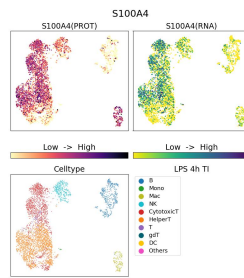
Storage:
2-8°C

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

Selected Validation Data



G66489-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G66489-1-5C 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.