For Research Use Only

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

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:G66489-1-5C

Basic Information

Catalog Number:
G66489-1-5C

Size:
10ug , Concentration: 500ug/mL by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG9019

GenBank Accession Number:
BC016300

GeneID (NCBI):
6275

ENSEMBL Gene ID:
ENSG00000196154

UNIPROT ID:
P26447

Full Name:
MultiPro™ 5CFLX Anti-Human S100A4 (2G11B4)

CloneNo.:
2G11B4

Conjugate:
5CFLX

Full Oligo Sequence:
CGGAGATGTGTATAAGAGACAGGTAC CGCGCTCGAGACCCATATAAGAAA

Barcode Sequence:
GTACCGCGCTCGAGA

Applications

Tested Applications:
Single Cell (Intra)

Species Specificity:
Human

Background Information

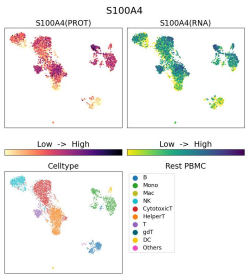
S100A4 is a member of the S100 family of calcium-binding proteins. The S100 family members have been involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A4 is known to localize to and function in the nucleus, cytoplasm of cells, and the 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 inpatients with various types of cancer.

Storage

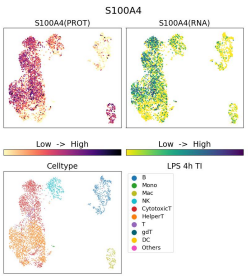
Storage:
2-8°C
Storage Buffer:
PBS with 1mM EDTA and 0.09% sodium azide

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

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.