

For Research Use Only

CoraLite® Plus 488-conjugated MAFB Polyclonal antibody



Catalog Number:CL488-20189

Basic Information

Catalog Number: CL488-20189	GenBank Accession Number: BC036689	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9935	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	ENSEMBL Gene ID: ENSG00000204103	
Isotype: IgG	UNIPROT ID: Q9Y5Q3	
Immunogen Catalog Number: AG14102	Full Name: v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	
	Calculated MW: 323 aa, 36 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, rat, mouse

Background Information

MAFB (MAF BZIP Transcription Factor B), also known as V-maf musculoaponeurotic fibrosarcoma oncogene homolog B, is a widely expressed basic leucine zipper transcription factor belonging to the Maf family. MAFB expression is significantly elevated in response to a broad range of metabolic and immunological stimuli that promote macrophage M2 polarization, cholesterol efflux, or both, whereas it is strongly down-regulated in response to various pro-inflammatory pathogenic triggers(PMID: 28790455). MAFB is highly expressed in tumor tissues and required for proliferation and tumorigenicity of osteosarcoma cells(PMID: 32234710) and is a marker of tumor-associated macrophages in both mouse and human(PMID: 31679694).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

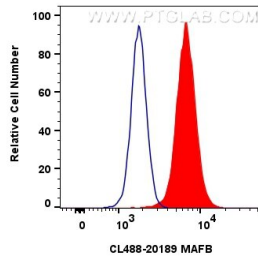
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

Selected Validation Data



1x10⁶ RAW 264.7 cells were intracellularly stained with 0.8 ug Coralite® Plus 488 MAFB Polyclonal Antibody (CL488-20189)(red), or 0.8 ug Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).