

CoraLite® Plus 488-conjugated MAFB Polyclonal antibody

Catalog Number: **CL488-20189**

Basic Information

Catalog Number:

CL488-20189

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14102

GenBank Accession Number:

BC036689

GeneID (NCBI):

9935

ENSEMBL Gene ID:

ENSG00000204103

UNIPROT ID:

Q9Y5Q3

Full Name:

v-maf musculoaponeurotic
fibrosarcoma oncogene homolog B
(avian)

Calculated MW:

323 aa, 36 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

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:

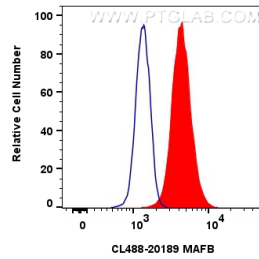
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1x10⁶ RAW 264.7 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 MAFB Polyclonal Antibody (CL488-20189)(red), or 0.4 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).