

For Research Use Only

CoraLite®647-conjugated MITF Polyclonal antibody



Catalog Number:CL650-13092

Basic Information

Catalog Number: CL650-13092	GenBank Accession Number: BC012503	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4286	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Source: Rabbit	Full Name: microphthalmia-associated transcription factor	
Isotype: IgG	Calculated MW: 91 aa, 10 kDa, 59 kDa	
Immunogen Catalog Number: AG3679	Observed MW: 59-65 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

The retinal pigment epithelium (RPE) has a essential role in maintaining visual function and dedifferentiation of RPE contributes to the pathophysiology of several ocular diseases[PMID: 22523078]. Microphthalmia-associated transcription factor (MITF) is a key regulator of RPE differentiation that is also down-regulated in dedifferentiated hRPE cells. MITF is a basic helix-loop-helix (hHLH)-leucine zipper protein that involves in the development of various cell types, including neural crest-derived melanocytes and optic cup-derived retinal pigment epithelial cells [PMID: 10578055].

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:
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Selected Validation Data