

Product Name: MITF Mouse Monoclonal Antibody
Catalog #: AMM81745



Summary

Production Name	MITF Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	MITF
Alternative Names	MI; WS2; CMM8; WS2A; bHLHe32
Gene ID	4286.0
SwissProt ID	O75030.Purified recombinant fragment of human MITF (AA: 1-114) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	58.8kDa

Background

This gene encodes a transcription factor that contains both basic helix-loop-helix and leucine zipper structural features. It

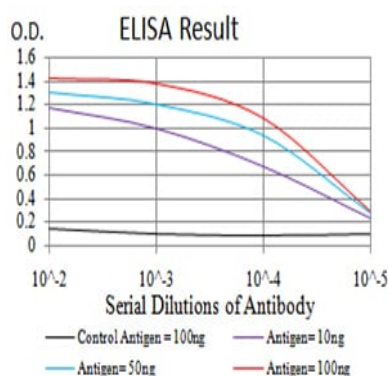
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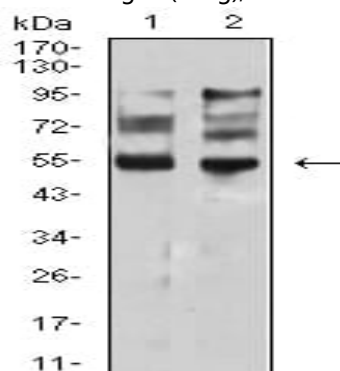
regulates the differentiation and development of melanocytes retinal pigment epithelium and is also responsible for pigment cell-specific transcription of the melanogenesis enzyme genes. Heterozygous mutations in the this gene cause auditory-pigmentary syndromes, such as Waardenburg syndrome type 2 and Tietz syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified.

Research Area

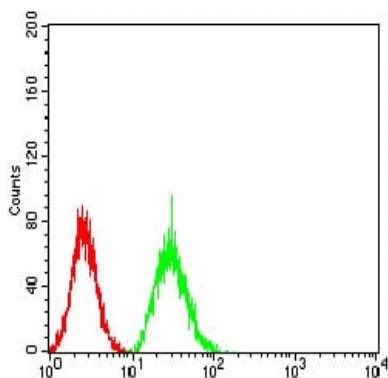
Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using MITF mouse mAb against PANC-1 (1) and A549 (2) cell lysate.



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Flow cytometric analysis of Hela cells using MITF mouse mAb (green) and negative control (red).

Note

For research use only.