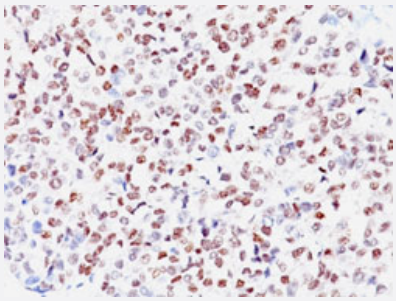
MITF monoclonal antibody, clone SPM290

Catalog # MAB13113 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with MITF monoclonal antibody, clone SPM290 (Cat # MAB13113).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human MITF.
Immunogen	Recombinant protein corresponding to N-terminus of human MITF.
Host	Mouse
Theoretical MW (kDa)	52-56
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with MITF monoclonal antibody, clone SPM290 (Cat # MAB13113).

- Immunofluorescence

- Flow Cytometry

Gene Info — MITF

Entrez GeneID	4286
Protein Accession#	O75030
Gene Name	MITF
Gene Alias	MI, WS2A, bHLHe32
Gene Description	microphthalmia-associated transcription factor
Omim ID	103470 103500 156845 193510
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that contains both basic helix-loop-helix and leucine zipp er structural features. It regulates the differentiation and development of melanocytes retinal pigm ent 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, s uch as Waardenburg syndrome type 2 and Tietz syndrome. Alternatively spliced transcript variant s encoding different isoforms have been identified. [provided by RefSeq
Other Designations	OTTHUMP00000195123|OTTHUMP00000195140|homolog of mouse microphthalmia

Pathway

- Melanogenesis

- Melanoma
- Pathways in cancer

Disease

- Genetic Predisposition to Disease
- Lymphoma
- Malignant melanoma
- Melanoma
- Neoplasm Metastasis
- Osteoporosis
- Retinal Diseases
- Skin Neoplasms
- Tobacco Use Disorder