

## MiTF (Microphthalmia Transcription Factor) clone C5/D5

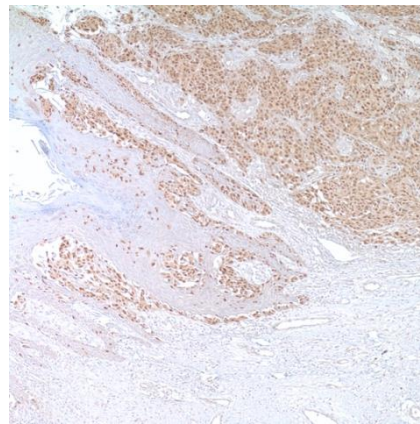
### Instructions for Use

#### Specification:

Mi is a transcription factor implicated in pigmentation, bone development and in mast cells. Various forms of Mi exists ranging from 50-70 kD in size. This antibody targets the 52-56 kD range. This antibody has been useful in identifying malignant, melanoma, and distinguishing mast cell lesions from lesions of myeloid derivation. A relatively rare class of tumors known as PEComas (tumors showing perivascular epithelioid cell differentiation) express MiTF in a high percentage of cases (~90%).

#### Availability:

Catalog No.	Contents	Volume
ILM2843-C01	MiTF	0,1 ml concentrate
ILM2843-C05	MiTF	0,5 ml concentrate
ILM2843-C1	MiTF	1,0 ml concentrate



**Intended use:** For Research Use Only

**Reactivity:** Human

**Clone:** C5/D5

**Species of origin:** Mouse

**Isotype:** IgG1 & IgG1

**Control Tissue:** Malignant melanoma

**Staining:** Nuclear

**Presentation:** Anti-MiTF is a cocktail of two mouse monoclonal antibodies from tissue culture supernatant diluted in tris buffered saline, pH 7.3-7.7, with protein base, and preserved with sodium azide

#### Application and suggested dilutions:

Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:200-1:400)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:200-1:400)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

#### References:

- 1) Liegl B, et al, Am J Surg Pathol. 2008 Apr; 32(4):608-14
- 2) Righi A, et al, Int J Surg Pathol. 2008 Jan; 16(1):16-20.
- 3) Weinreb I. et al, Vichows Arch. 2007 Apr;450(4):463-70. Epub 2007 Feb 15.
- 4) Ohsie SJ, et al, J Cutan Pathol. 2008 May; 35(5):433-44. Review.
- 5) Hornick JL, Fletcher CD, Am J Surg Pathol. 2008 Apr; 32(4):493-501