

Monoclonal Antibody to Microphthalmia (Transcription Factor) (MiTF)

Catalog No.:	DM3133
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
Clone:	C5
Immunogen:	N-terminal fragment of human Mi protein.
Applications:	Gel Supershift (Order Ab at 1mg/ml). Western Blotting. Immunohistology (Formalin/paraffin): Use Ab at 2-4µg/ml for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA, pH 8.0, for 10-20 min followed by cooling at RT for 20 min. Recommended positive control: 501 Mel Cells, Melanoma. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Mi is a basic helix-loop-helix-leucine zipper (b-HLH-ZIP) transcription factor implicated in pigmentation, mast cells, and bone development. The mutation of Mi causes Waardenburg Syndrome type II in humans. Reacts with Human, Horse. Does not react with Mouse, and Rat. Others not tested. Cellular Localization: nuclear. Mol. Wt. of Antigen: 52-56kD Notes: This antibody does not cross-react with other b-HLH-ZIP factors by DNA mobility shift assay. This antibody reacts with both melanocytic and nonmelanocytic isoforms of Mi. It is especially useful for research on murine Mi protein. Epitope: N-terminal
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.