

# Product Datasheet

## MITF Antibody (MITF/2987R) [DyLight 488] NBP3-08590G

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08590G**

MITF Antibody (MITF/2987R) [DyLight 488]

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	MITF/2987R
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	DyLight 488
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rabbit
Gene ID	4286
Gene Symbol	MITF
Species	Human, Canine, Mouse (Negative), Rat (Negative)
Reactivity Notes	Does not react with Mouse or Rat.
Specificity/Sensitivity	MITF (microphthalmia transcription factor) is a basic helix-loop-helix-leucine-zipper (bHLH-Zip) transcription factor that regulates the development and survival of melanocytes and retinal pigment epithelium, and also is involved in transcription of pigmentation enzyme genes such as tyrosinase TRP1 and TRP2. MITF has been shown to be phosphorylated by MAP kinase in response to c-kit activation, resulting in upregulation of MITF transcriptional activity. Mutations of the MITF gene are associated with the autosomal dominant hereditary deafness and pigmentation condition, Waardenburg Syndrome type 2A. Multiple isoforms of MITF exist, including MITF-A, MITF-B, MITF-C, MITF-H, and MITF-M, which differ in the amino-terminal domain and in their expression patterns. The MITF-M isoform is restricted to the melanocyte cell lineage. This monoclonal antibody recognizes a nuclear protein, which is expressed in the majority of primary and metastatic epithelioid malignant melanomas as well as in normal melanocytes, benign nevi and dysplastic nevi.
Immunogen	Recombinant full-length human MITF protein (Uniprot: O75030)
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP3-08590G**

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NBP2-24891G	Rabbit IgG Isotype Control [DyLight 488]
H00004286-P02-2ug	Recombinant Human MITF GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP2-09070	MITF Overexpression Lysate

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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