## **Product Datasheet**

### MITF Antibody (C5/D5) [Janelia Fluor® 669] NBP3-11574JF669

Unit Size: 0.1 ml

Store at 4C in the dark.

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#### NBP3-11574JF669

MITF Antibody (C5/D5) [Janelia Fluor® 669]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	C5/D5
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Janelia Fluor 669
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	4286
Gene Symbol	MITF
Species	Human, Mouse (Negative), Rat (Negative)
Reactivity Notes	Does not react with Mouse and Rat.
Reactivity Notes Specificity/Sensitivity	Does not react with Mouse and Rat. 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. Anti-MITF, D5, 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.
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#### Products Related to NBP3-11574JF669

H00004286-P02-2ug	Recombinant Human MITF GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP2-09070	MITF Overexpression Lysate
M6000B-1	IL-6 [HRP]

#### 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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