

Product Datasheet

MITF Antibody (MITF/2987R) [Alexa Fluor® 700] NBP3-08590AF700

Unit Size: 100 ul

Store at 4C in the dark.

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NBP3-08590AF700

MITF Antibody (MITF/2987R) [Alexa Fluor® 700]

| 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 | Alexa Fluor 700 |
| 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) |



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| 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 NBP3-08590AF700

| | |
|-------------------|---|
| NBP2-24891AF700 | Rabbit IgG Isotype Control [Alexa Fluor® 700] |
| H00004286-P02-2ug | Recombinant Human MITF GST (N-Term) Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| NBP2-09070 | MITF Overexpression Lysate |

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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