

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### MITF (G174) Peptide

Cat No.: BS1550P

#### Background

MITF is a transcription factor that contains both basic helix-loop-helix and leucine zipper structural features. Plays a critical role in the differentiation of various cell types including neural crest- derived melanocytes, mast cells, osteoclasts and optic cup-derived retinal pigment epithelium. Two isoforms are known: the M-isoform is expressed exclusively in melanocytes, while the A-isoform has a much broader range of expression. Mutations in MITF can lead to Waardenburg syndome. Ten alternatively spliced isoforms have been described.

#### Swiss-Prot

O75030

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1550 MITF (G174) pAb.

#### Purification & Purity

Synthetic peptide MITF (G174). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term.

Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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