

MITF (Human) Cell-Based ELISA Kit

Catalog # KA2997

Size 1 Kit

Specification

Product Description	MITF (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of MITF expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — MITF

Entrez GeneID	4286
Protein Accession#	O75030
Gene Name	MITF
Gene Alias	MI, WS2A, bHLHe32
Gene Description	microphthalmia-associated transcription factor

Omim ID [103470](#) [103500](#) [156845](#) [193510](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a transcription factor that contains both basic helix-loop-helix and leucine zipper structural features. It regulates the differentiation and development of melanocytes retinal pigment epithelium and is also responsible for pigment cell-specific transcription of the melanogenesis enzyme genes. Heterozygous mutations in the this gene cause auditory-pigmentary syndromes, such as Waardenburg syndrome type 2 and Tietz syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations OTTHUMP00000195123|OTTHUMP00000195140|homolog of mouse microphthalmia

Pathway

- [Melanogenesis](#)
- [Melanoma](#)
- [Pathways in cancer](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Neoplasm Metastasis](#)
- [Osteoporosis](#)
- [Retinal Diseases](#)
- [Skin Neoplasms](#)
- [Tobacco Use Disorder](#)