



## Mouse Monoclonal Antibody to MITF

<b>Catalogue Number</b>	sAP-1422
<b>Target Molecule</b>	<b>Name: MITF</b> <b>Aliases:</b> ER; ESR; Era; ESRA; ESTRR; NR3A1 <b>MW: 66.2kDa</b> <b>Entrez Gene ID: 2099</b>
<b>Description</b>	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.;
<b>Immunogen</b>	Purified recombinant fragment of human MITF (AA: 1-114) expressed in E. Coli.
<b>Recitative Species</b>	Human;
<b>Clone</b>	MM8F1G5;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Proc Natl Acad Sci U S A. 2015 Feb 3;112(5):E420-9. ; 2.Cell Mol Life Sci. 2015 Apr;72(7):1249-60.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**