

SIRT1 Antibody (1F3)**Tested Species Reactivity**

Human (Hu)
Non-human primate (Nhp)

Tested Applications	Dilution *
Western Blot (WB)	1/500 - 1/2000
Immunofluorescence (IF)	1/200 - 1/1000
Immunocytochemistry (ICC)	1:200-1:1000
Immunohistochemistry (IHC)	1/200 - 1/1000
Flow Cytometry (Flow)	1/200 - 1/400

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details

Catalog Number:	MA5-15677
Size:	100 µL
Class:	Monoclonal
Type:	Antibody
Clone:	1F3
Host / Isotype:	Mouse / IgG1
Immunogen:	Purified recombinant fragment of human SIRT1 expressed in E. Coli.

Form Information

Form:	Liquid
Storage Buffer:	ascites
Preservative:	0.03% sodium azide
Storage Conditions:	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Product Specific Information

MA5-15677 targets SIRT1 in FACS, IF, IHC, and WB applications and shows reactivity with Human and Non-human primate samples.

The MA5-15677 immunogen is purified recombinant fragment of human SIRT1 expressed in E. Coli.

MA5-15677 detects SIRT1 which has a predicted molecular weight of approximately 120kDa.

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General Information

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants.

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