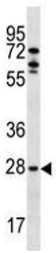
MLF1 Antibody / Myeloid leukemia factor 1 (F54428)

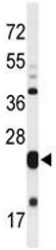
Catalog No.	Formulation	Size
F54428-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54428-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

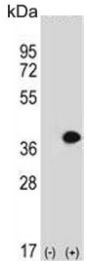
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P58340
Applications	Immunohistochemistry (FFPE) : 1:25 Flow Cytometry : 1:25 (1x10e6 cells) Western Blot : 1:500-1:2000
Limitations	This MLF1 antibody is available for research use only.



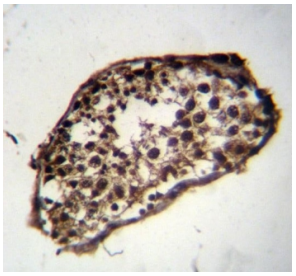
Western blot testing of human MCF7 lysate with MLF1 antibody. Predicted molecular weight ~31 kDa.



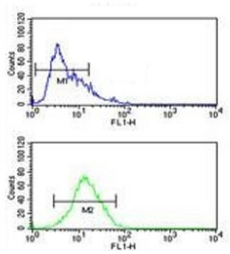
Western blot testing of mouse heart lysate with MLF1 antibody. Predicted molecular weight ~31 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with MLF1 antibody.



IHC testing of FFPE human testis tissue with MLF1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human CCRF-CEM cells with MLF1 antibody; Blue=isotype control, Green= MLF1 antibody.

Description

MLF1 is involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. The protein interferes with erythopoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. It suppresses RFWD2/COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. It binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MLF1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 215-244 from the human protein was used as the immunogen for the MLF1 antibody.

Storage

Aliquot the MLF1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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