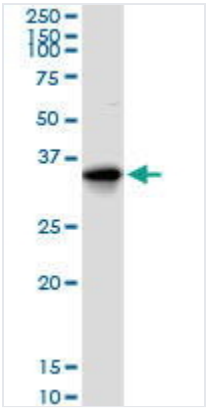
MLF1 Antibody – Rabbit Polyclonal

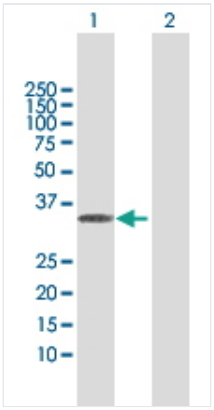
PRODUCT OVERVIEW

Product Name	MLF1, Polyclonal Antibody
Full Product Name	MLF1 (Myeloid Leukemia Factor 1, Myelodysplasia-myeloid Leukemia Factor 1) (FITC)
Product Gene Name	anti-MLF1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MLF1. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	30,627 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (158288953..158324249). Location: 3q25.1
OMIM	601402
3D Structure	ModBase 3D Structure for P58340
Immunogen	Full length human MLF1, aa1-268 (NP_071888.1).
Immunogen Sequence	MFRMLNSSFEDDPFFSESILAHRENMRQMIRSFSEPFGRDLLSISDGRGRAHNRRGHNDGEDSLTHTDVSSFQTMDQMVSNMRNYMQKLERNFGQLSV
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-MLF1 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-MLF1 antibody	Western Blot (WB)
Application Notes for anti-MLF1 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-MLF1 antibody	MLF1 is involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. The pr arrest. It binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus.
Other Notes	Small volumes of anti-MLF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for MLF1 purchase	MBS6385536 is an antibody targeting MLF1. Also known as MLF1 (Myeloid Leukemia Factor 1, Myelodysplasia-myeloid Leukemia Factor 1) (FITC). R



Western Blot (WB) of anti-MLF1 antibody
MLF1 rabbit polyclonal antibody. Western Blot analysis of MLF1 expression in mouse testis.



Western Blot (WB) of anti-MLF1 antibody
Western Blot analysis of MLF1 expression in transfected 293T cell line by MLF1 polyclonal antibody. Lane 1: MLF1 transfected lysate (30.6kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MLF1. It may not necessarily be applicable to this product.

NCBI GI #	11967975
NCBI GeneID	4291
NCBI Accession #	NP_071888.1
UniProt Primary Accession #	P58340
UniProt Secondary Accession #	Q2TLE3; Q2TLE5; Q8N8F8; Q96MH1; E9PEU9
UniProt Related Accession #	P58340
GenBank Nucleotide #	NM_022443.2
NCBI Official Full Name	myeloid leukemia factor 1 isoform 1
NCBI Official Synonym Full Names	myeloid leukemia factor 1
NCBI Official Symbol	MLF1
UniProt Protein Name	Myeloid leukemia factor 1
UniProt Synonym Protein Names	Myelodysplasia-myeloid leukemia factor 1
Protein Family	Myeloid leukemia factor
UniProt Gene Name	MLF1
UniProt Entry Name	MLF1_HUMAN
NCBI Protein Information	myeloid leukemia factor 1; myelodysplasia-myeloid leukemia factor 1

NCBI Summary for MLF1	This gene encodes an oncoprotein which is thought to play a role in the phenotypic determination of hemopoetic cells. Translocations between this gene and nucleophosmin have been associated with myelodysplastic syndrome and acute myeloid leukemia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010]
UniProt Comments for MLF1	MLF1: Involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. Interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. Suppresses RFWD2/COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. Binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus. A chromosomal aberration involving MLF1 is a cause of myelodysplastic syndrome (MDS). Translocation t(3;5)(q25.1;q34) with NPM1/NPM. Belongs to the MLF family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 3q25.1 Cellular Component: nucleoplasm; cytoplasm; nucleus Molecular Function: protein domain specific binding; protein binding; DNA binding Biological Process: myeloid progenitor cell differentiation; transcription, DNA-dependent; cell cycle arrest Disease: Leukemia, Acute Myeloid
Research Articles on MLF1	**1.** The subcellular localization of full-length human MLF1 is 14-3-3epsilon-independent.
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