

# Myeloid-Associated Differentiation Marker (MYADM) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone MYADM/971 ]

Catalog # AH12602

## Product Information

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<b>Application</b>	IHC, IF, FC
<b>Primary Accession</b>	<a href="#">Q96S97</a>
<b>Other Accession</b>	<a href="#">91663</a> , <a href="#">380906</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse / IgG1
<b>Clone Names</b>	MYADM/971
<b>Calculated MW</b>	35274

## Additional Information

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<b>Gene ID</b>	91663
<b>Other Names</b>	Myeloid-associated differentiation marker, Protein SB135, MYADM
<b>Application Note</b>	IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
<b>Storage</b>	Store at 2 to 8°C.Antibody is stable for 24 months.
<b>Precautions</b>	Myeloid-Associated Differentiation Marker (MYADM) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	MYADM
<b>Cellular Location</b>	Membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Widely expressed. Not detected in thymus.

## Background

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Recognizes a myeloid associated differentiation antigen in the cytoplasm of mature granulocytes. It shows no reactivity with any other cell type in human tissues. Markers of myeloid cells are useful in the identification of different levels of cellular differentiation. It reacts with early precursor and mature forms of human and monkey myeloid cells. This MAb is useful for the detection of myeloid leukemias and

granulocytic sarcomas. It can be used as a marker of granulocytes in normal tissues or inflammatory processes.

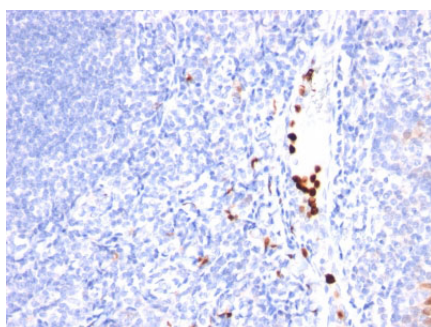
## References

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Membrane protein hMYADM preferentially expressed in myeloid cells is up-regulated during differentiation of stem cells and myeloid leukemia cells. Wang Q, et al. Life Sci, 2007 Jan 9. PMID 17097684 | Cloning of human myeloid-associated differentiation marker (MYADM) gene whose expression was up-regulated in NB4 cells induced by all-trans retinoic acid. Cui W, et al. Mol Biol Rep, 2001. PMID 12075932 | MYADM controls endothelial barrier function through ERM-dependent regulation of ICAM-1 expression. Aranda JF, et al. Mol Biol Cell, 2013 Feb. PMID 23264465 | MYADM regulates Rac1 targeting to ordered membranes required for cell spreading and migration. Aranda JF, et al. Mol Biol Cell, 2011 Apr 15. PMID 21325632 | Isolation of MYADM, a novel hematopoietic-associated marker gene expressed in multi-potent progenitor cells and up-regulated during myeloid differentiation. Pettersson M, et al. J Leukoc Biol, 2000 Mar. PMID 1073310

## Images

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Formalin-fixed, paraffin-embedded human Tonsil stained with MYDAM Monoclonal Antibody (MYADM/971).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.