

Mouse Anti-Myeloid Associated Differentiation Marker [MYADM/972]: MC0878, MC0878RTU7

Intended Use: For Research Use Only

Description: 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.

Specifications

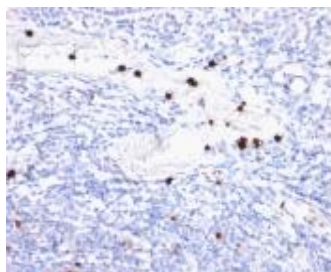
Clone: MYADM/972
Source: Mouse
Reactivity: Human
Isotype: IgG1
Localization: Membrane
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., IF
Package:

Description	Catalog No.	Size
Myeloid Associated Differentiation Marker Concentrated	MC0878	1 ml
Myeloid Associated Differentiation Marker Prediluted	MC0878RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Myeloid leukemias, granulocytic sarcomas
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-MYDAM using DAB

References:

1. MYADM controls endothelial barrier function through ERM-dependent regulation of ICAM-1 expression. Aranda JF, et al. Mol Biol Cell, Feb., 2013.
2. MYADM regulates Rac1 targeting to ordered membranes required for cell spreading and migration. Aranda JF, et al. Mol Biol Cell, Apr 15, 2011.
3. 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, Jan 9, 2007.
4. 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.