

**Mouse Anti-CD1a [O10]: MC0278, MC0278RTU7**

**Intended Use:** For Research Use Only

**Description:** Cluster of Differentiation 1a (CD1a) is part of a family of major histocompatibility complex (MHC) antigen-like glycoproteins that associate with beta-2-microglobulin. CD1a binds self and non-self lipid and glycolipid antigens, presenting them to T-cell receptors on natural killer T-cells. CD1a antibody labels cortical thymocytes, Langerhans' cells and dendritic cells. It has been used to identify Langerhans' cell histiocytosis and precursor T lymphoblastic lymphoma/leukemia.

**Specifications**

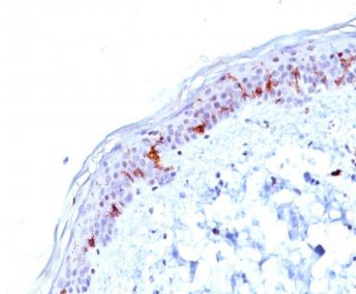
Clone:	O10
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Human thymus cells
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN <sub>3</sub> )
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF, WB
Package:	

Description	Catalog No.	Size
CD1a Concentrated	MC0278	1 ml
CD1a Prediluted	MC0278RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue:	Thymus, tonsil
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 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 skin stained with anti-CD1a using DAB

**References:**

1. Multiplex Staining by Sequential Immunostaining and Antibody Removal on Routine Tissue Sections. Bolognesi MM, et al. J Histochem Cytochem 65:431-444, 2017.
2. Tumor infiltrating lymphocytes and survival in patients with head and neck squamous cell carcinoma. Nguyen N, et al. Head Neck 38:1074-84, 2016.
3. Reconstitution of full-thickness skin by microcolumn grafting. Tam J, et al. J Tissue Eng Regen Med N/A:N/A, 2016.

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