



CD1a

Catalog # 10172.05 or .10 (0.5 ml or 1.0 ml concentrated)

Catalog # 10172.50 (5 ml ready to use)

INTENDED USE

- **In Vitro:** This product is intended for qualitative immunohistochemistry with normal and neoplastic, formalin-fixed, paraffin embedded tissue sections, to be viewed by light microscopy. This antibody was tested both with manual application and the most popular automated immunostainers.
- **Description:** This antibody reacts on a 49kDa protein designated as CD1a. CD1a is a non-polymorphic MHC Class 1 related cell surface glycoprotein, expressed in association with Beta 2 microglobulin. CD1a is expressed by cortical thymocytes, epidermal Langerhan's cells, dendritic cells, interdigitating cells, on certain T-cell leukemias, and in various other tissues. CD1a is also expressed by some malignancies of T cell lineage and in histiocytosis X.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Tonsil

MATERIALS PROVIDED

- **CD1a specific mouse monoclonal antibody:** #10172, concentrated, with 0.09% sodium azide.
- **Antibody concentration:** Not known
- **Host:** Mouse
- **Epitope:** Not determined.
- **Species Reactivity:** Human.
- **Clone:** O10
- **Ig Isotype / Light Chain:** IgG1/Kappa
- **Immunogen:** Thymocytes
- **Sterility:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED

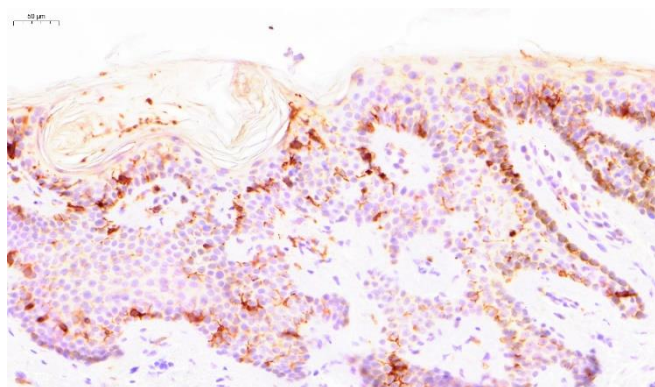
- Detection system
- Chromogen/substrate system

METHODS AND PROCEDURES

- **Tissue Section Pretreatment:** Staining of formalin-fixed tissue sections requires treating in boiling 10mM citrate buffer, pH 6.0 for 10-20 minutes.
- **Recommended Pretreatment:** HISTOLS®-Citrate Buffer (cat#30010) HISTOLS®-Peroxidase Blocking Solution (cat# 30013) HISTOLS®-BBPS (Background Blocking Protein Solution) (cat# 30012)
- **Dilution of Concentrated Antibody:** 1:50 – 1:100 in antibody diluent (for informational purposes only), exact dilution must be determined by user.
- **Primary Antibody Incubation Time:** 60 minutes at RT.
- **Recommended Detection System:** HISTOLS®-MR (anti- mouse & rabbit Ig) (cat# 30011)
- **Visualization:** To detect antibody binding sites, follow the instructions provided with the chromogen/substrate system.

STORAGE AND STABILITY

This product contains sodium azide and is stable when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.



Skin, CD1a

For Research Use Only

