Tartrate Resistant Acid Phosphatase (TRAP)Ab-1
Catalog # MS-1768-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)
Catalog # MS-1768-R7 (7.0ml)
Catalog # MS-1768-PCS

INTENDED USE:
- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** Tartrate-resistant acid phosphatase (TRAP) is a basic iron-binding protein with high activity towards phosphoproteins, ATP and 4-nitrophenyl phosphatase. It is detected in human alveolar macrophages, osteoclasts, spleen and liver. Its expression is increased in spleen and monocytes of patients with Gaucher’s disease; spleenocytes and circulating leukocytes of patients with hairy cell leukemia; spleen of patients with Hodgkin’s lymphoma and in the sera of patients undergoing active bone turnover.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Lung (macrophages)

MATERIALS PROVIDED:
- **Tartrate Resistant Acid Phosphatase (TRAP)Ab-1 (refer to catalog number):**
  - #MS-1768-S (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.
  - #MS-1768-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
  - #MS-1768--PCS: 5 positive control slides.
- **Antibody Concentration:** Not known
- **Host:** Mouse
- **Epitope:** N-terminal
- **Species Reactivity:** Human. Others-not known.
- **Clone Designation:** 26E5
- **Ig Isotype / Light Chain:** IgG2b
- **Immunogen:** Recombinant protein corresponding to N-terminal region of human TRAP.
- **Microbiological State:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED:
- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the “General Protocol” instructions.
- **Visualization System:** Refer to the “General Protocol” instructions.

METHODS AND PROCEDURES:

<table>
<thead>
<tr>
<th>Specimen Preparation</th>
<th>Refer to the “General Protocol” instructions.</th>
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</thead>
<tbody>
<tr>
<td>Dilution of Concentrated Antibody</td>
<td>1:20 in antibody diluent</td>
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<tr>
<td>Tissue Section Pretreatment</td>
<td>Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min.</td>
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<td>Primary Antibody Incubation Time</td>
<td>30 minutes at Room Temperature</td>
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<td>Visualization</td>
<td>To detect antibody, follow the instructions provided with the visualization system.</td>
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STORAGE and STABILITY:
This product contains sodium azide and is stable for 24 months 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.

REFERENCES: