

ALK (Anaplastic Lymphoma Kinase) / p80 Ab-1

Catalog # MS-1104-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

Catalog # MS-1104-R7 (7.0ml)

Please note this data sheet has been changed effective December 9, 2011

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:** ALK / p80 is a hybrid of the anaplastic lymphoma kinase (ALK) gene and the nucleophosmin (NPM) gene resulting from the t(2;5)(p23;q35) translocation found in a third of large cell lymphomas.
- **Expected Staining Pattern:** Cytoplasmic and/or nuclear
- **Positive Control:** Anaplastic lymphoma

MATERIALS PROVIDED:

ALK (Anaplastic Lymphoma Kinase) / p80 Ab-1 (refer to catalog number):

- #MS-1104-S (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.
or
- #MS-1104-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
- **Antibody Concentration:** Not known
- **Host:** Mouse
- **Mol. Wt. of Antigen:** 80kDa
- **Epitope:** aa 419-520 (tyrosine kinase domain)
- **Species Reactivity:** Human. Others not-tested.
- **Clone Designation:** 5A4
- **Ig Isotype / Light Chain:** IgG1
- **Immunogen:** Recombinant protein corresponding to a region which spans the tyrosine kinase catalytic domain and part of the C-terminus of the NPM-ALK transcript (419-520aa).
- **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:

| | |
|--|---|
| Specimen Preparation | Refer to the "General Protocol" instructions. |
| Dilution of Concentrated Antibody | 1:40-1:80 in antibody diluent |
| Tissue Section Pretreatment | 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. |
| Primary Antibody Incubation Time | 60 minutes at Room Temperature |
| Visualization | To detect antibody, follow the instructions provided with the visualization system. |

STORAGE and STABILITY:

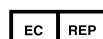
This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

REFERENCES:

- 1) Pittaluga S, et al. American Journal of Pathology. 151(2):343-351 (1997).
- 2) Pulford K, et al. Blood. 89(4): 1394-1404 (1997)
- 3) Downing J R, et al. Blood. 85(12): 3416-3422 (1995).



Lab Vision Corporation
46360 Fremont Blvd.
Fremont, CA 94538-6406, USA
US Toll Free: 1 (800) 522-7270
Phone: +1 (269) 544-5600
Fax: +1 (269) 372-2674
www.thermoscientific.com/labvision



Thermo Fisher Scientific
Anatomical Pathology
Tudor Road, Manor Park
Runcorn, Cheshire WA7 1TA, UK
Tel: +44 (0) 1928 534 050
Fax: +44 (0) 1928 534 049
sales.ap.uk@thermofisher.com