

## ALK (Anaplastic Lymphoma Kinase) / CD246 Antibody

Mouse Monoclonal Antibody [Clone ALK/1031]

| Catalog No     | Format                                        | Size   |
|----------------|-----------------------------------------------|--------|
| 238-MSM1-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 238-MSM1-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 238-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

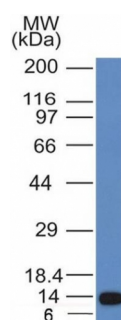
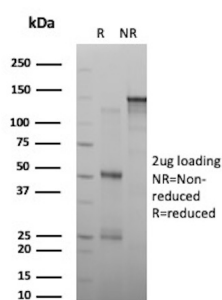
| Applications      | Tested Dillution | Note |
|-------------------|------------------|------|
| Western Blot (WB) | 2-4ug/ml         |      |

### Product Details

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
| <b>Clone</b>                  | ALK/1031                                                    |
| <b>Gene Name</b>              | ALK                                                         |
| <b>Immunogen</b>              | Recombinant human ALK protein fragment covering ~aa400-500. |
| <b>Host</b>                   | Mouse                                                       |
| <b>Clonality</b>              | Monoclonal                                                  |
| <b>Isotype / Light Chain</b>  | IgG2b / Kappa                                               |
| <b>Mol. Weight of Antigen</b> | 80kDa (hybrid); 200kDa (wild type)                          |
| <b>Cellular Localization</b>  | Cell membrane                                               |
| <b>Species Reactivity</b>     | Human                                                       |
| <b>Positive Control</b>       | Anaplastic Large Cell Lymphoma.                             |

\*Optimal dilution for a specific application should be determined.

### Product Images for ALK (Anaplastic Lymphoma Kinase) / CD246 Antibody



SDS-PAGE Analysis of Purified ALK Mouse Monoclonal Antibody (ALK1/1031). Confirmation of Purity and Integrity of Antibody.

Western Blot Analysis of recombinant fragment of ALK using ALK Monoclonal Antibody (ALK/1031).

### Specificity & Comments

The wild-type anaplastic lymphoma kinase (ALK) protein is a 200kDa transmembrane receptor tyrosine kinase. Its expression is restricted to a few scattered cells in the nervous system (some glial cells and neurons, and a few endothelial cells and pericytes. The hybrid gene, NPM-ALK, created by the t(2;5)(p23;q35) chromosomal translocation encodes part of the nucleolar phosphoprotein, nucleophosmin (NPM), joined to the entire cytoplasmic portion of the anaplastic lymphoma kinase (ALK) receptor tyrosine kinase. As a consequence, the ALK gene comes under the control of the NPM promoter, which induces a permanent and ubiquitous transcription of the NPM-ALK hybrid gene, resulting in the production of a 80kDa NPM-ALK chimeric protein. This translocation is found in anaplastic large cell lymphomas (ALCL). Reportedly, expression of ALK indicates a better prognosis. Approximately 5%-10% of non-small cell lung carcinomas also express ALK protein producing a cytoplasmic staining pattern. This MAb also reacts with blood vessels that serves as an internal positive control.

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### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### Research Areas

AKT Signaling, Infectious Disease, Signal Transduction

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