

ALK (Anaplastic Lymphoma Kinase) / CD246 Antibody

Mouse Monoclonal Antibody [Clone ALK/1504]

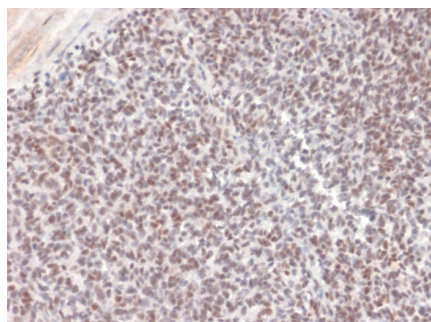
Catalog No	Format	Size
238-MSM4-P0	Purified Ab with BSA and Azide	200ug/ml
238-MSM4-P1	Purified Ab with BSA and Azide	200ug/ml
238-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml

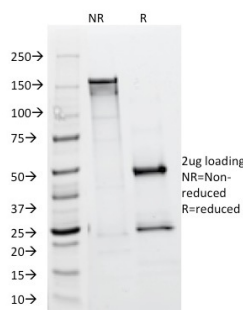
Product Details	
Clone	ALK/1504
Gene Name	ALK
Immunogen	Recombinant human ALK protein fragment (aa200-335)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	80kDa (hybrid); 200kDa (wild type)
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Anaplastic Large Cell Lymphoma

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

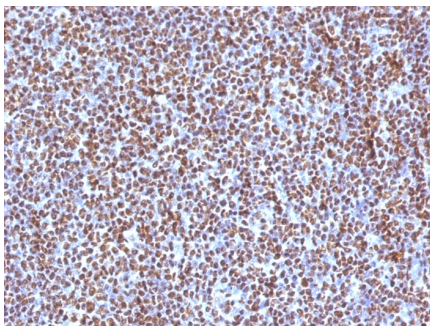
Product Images for ALK (Anaplastic Lymphoma Kinase) / CD246 Antibody



Formalin-fixed, paraffin-embedded human Ewing Sarcoma stained with ALK-1 Mouse Monoclonal Antibody (ALK/1504).



SDS-PAGE Analysis of Purified ALK Mouse Monoclonal Antibody (ALK/1504). Confirmation of Integrity and Purity of antibody.



Formalin-fixed, paraffin-embedded human Anaplastic LC Lymphoma stained with ALK-1 Mouse Monoclonal Antibody (ALK/1504).

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.

Research Areas

AKT Signaling, Infectious Disease, Signal Transduction

Known Applications & Suggested Dilutions

Flow Cytometry (0.5-1ug/million cells) | Immunofluorescence (0.5-1ug/ml) | Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

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.

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.

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.