

## Recombinant ALK (Anaplastic Lymphoma Kinase) / CD246 Antibody

Rabbit Monoclonal Antibody [Clone ALK1/7008R]

| Catalog No      | Format  | Size   |
|-----------------|---|--------|
| 238-RBM10-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 238-RBM10-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 238-RBM10-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

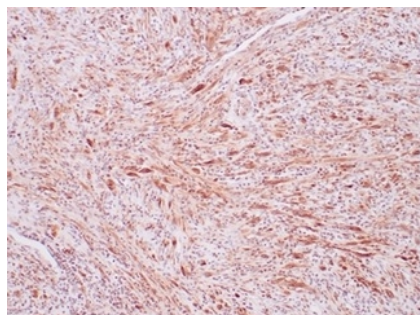
| Applications               | Tested Dillution | Note  |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

### Product Details

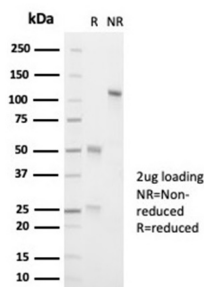
|                        |  |
|------------------------|--|
| Clone                  | ALK1/7008R   |
| Gene Name              | ALK  |
| Immunogen              | Recombinant human ALK protein fragment corresponding to the cytoplasmic domain |
| Host                   | Rabbit   |
| Clonality              | Monoclonal   |
| Isotype / Light Chain  | IgG / Kappa  |
| Mol. Weight of Antigen | 80kDa (hybrid); 200kDa (wild type)   |
| Cellular Localization  | Cell membrane  |
| Species Reactivity     | Human  |
| Positive Control       | Human Anaplastic Large Cell Lymphoma (ALCL) tissue.                            |

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

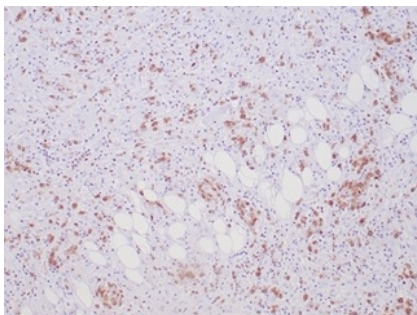
### Product Images for Recombinant ALK (Anaplastic Lymphoma Kinase) / CD246 Antibody



Formalin-fixed, paraffin-embedded human inflammatory myofibroblastic tumor (IMT) with ALK fusion stained with ALK1/7008R.



SDS-PAGE Analysis of Purified ALK1 Recombinant Rabbit Monoclonal Antibody (ALK1/7008R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Anaplastic Large Cell Lymphoma stained with ALK1 Recombinant Rabbit Monoclonal Antibody (ALK1/7008R).

### Specificity & Comments

Anaplastic lymphoma kinase (ALK) is a receptor tyrosine kinase of the insulin receptor superfamily. ALK is typically expressed at low levels in regions of the developing central and peripheral nervous system. ALK may be activated in cancer through multiple mechanisms. The most common mechanism is through formation of a fusion protein from chromosomal translocations, as in the case of anaplastic large cell lymphoma (ALCL) and inflammatory myofibroblastic tumors. ALK may also be amplified through mutation, as in neuroblastomas. Various solid tumors, such as non-small cell lung carcinoma (NSCLC) and brain cancers were also found to aberrantly express ALK. ALK staining is present within both the nucleus and cytoplasm, and are positive in about 60% of ALCL. ALK protein expression by tumor cells is an independent prognostic factor that predicts a favorable outcome.

### 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.

### Research Areas

AKT Signaling, Infectious Disease, Signal Transduction