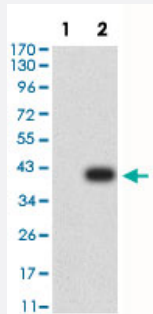


ALK monoclonal antibody, clone 7A11A4

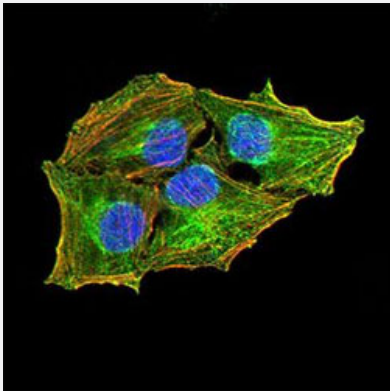
Catalog # MAB17851 Size 100 ug

Applications



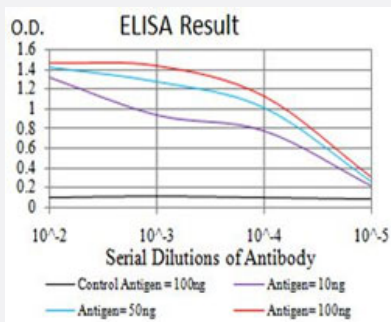
Western Blot (Transfected lysate)

Western Blot (Transfected lysate) analysis of (1) HEK293, (2) ALK-hlgGfC transfected HEK293 cell lysate.



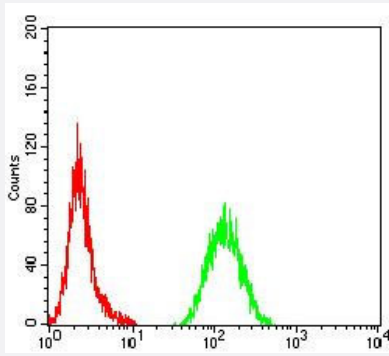
Immunofluorescence

Immunofluorescent staining of HeLa cell line with antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ALK monoclonal antibody.



Flow Cytometry

Flow cytometric analysis of HeLa cells using ALK mouse monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ALK.
Immunogen	Recombinant protein corresponding to amino acids 1366-1468 of human ALK from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	176
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-400) Immunofluorescence (1:50-250) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot (Transfected lysate) analysis of (1) HEK293, (2) ALK-hlgFc transfected HEK293 cell lysate.

- Immunofluorescence

Immunofluorescent staining of HeLa cell line with antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ALK monoclonal antibody.

- Flow Cytometry

Flow cytometric analysis of HeLa cells using ALK mouse monoclonal antibody (green) and negative control (red).

Gene Info — ALK

Entrez GeneID [238](#)

Gene Name ALK

Gene Alias CD246, Ki-1, TFG/ALK

Gene Description anaplastic lymphoma receptor tyrosine kinase

Omim ID [105590](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The 2;5 chromosomal translocation is frequently associated with anaplastic large cell lymphomas (ALCLs). The translocation creates a fusion gene consisting of the ALK (anaplastic lymphoma kinase) gene and the nucleophosmin (NPM) gene: the 3' half of ALK, derived from chromosome 2, is fused to the 5' portion of NPM from chromosome 5. A recent study shows that the product of the NPM-ALK fusion gene is oncogenic. The deduced amino acid sequences reveal that ALK is a novel receptor protein-tyrosine kinase having a putative transmembrane domain and an extracellular domain. These sequences are absent in the product of the transforming NPM-ALK gene. ALK shows the greatest sequence similarity to LTK (leukocyte tyrosine kinase). ALK plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. [provided by RefSeq]

Other Designations

ALK tyrosine kinase receptor|CD246 antigen|anaplastic lymphoma kinase (Ki-1)|anaplastic lymphoma kinase Ki-1

Disease

- [Adenocarcinoma](#)

- [Carcinoma](#)

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)