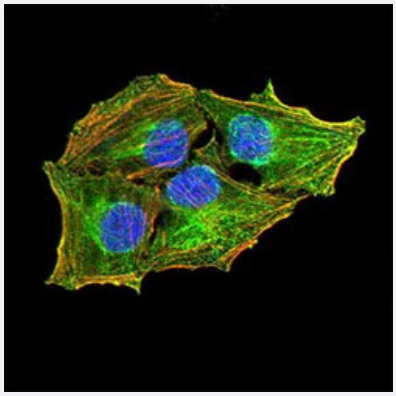
ALK monoclonal antibody, clone 7A11A4

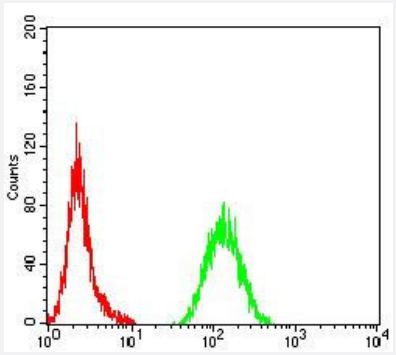
Catalog # MAB17851 Size 100 ug

Applications



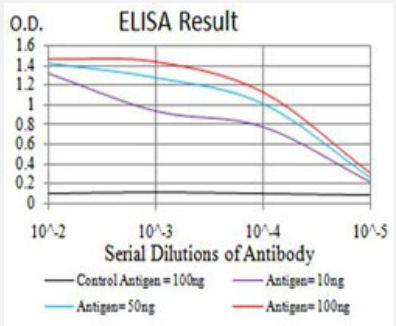
Immunofluorescence

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.



Flow Cytometry

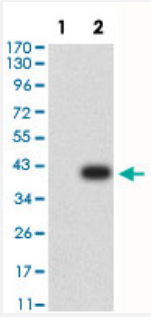
Flow cytometric analysis of HeLa cells using ALK mouse monoclonal antibody (green) and negative control (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ALK monoclonal antibody.

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Western Blot (Transfected lysate)

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

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ALK.
Immunogen	Recombinant protein corresponding to amino acids 1366-1468 of human ALK from *E. coli*.
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 shoul d be handled by trained staff only.

Applications

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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.

- Flow Cytometry

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

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of ALK monoclonal antibody.

- Western Blot (Transfected lysate)

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

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 kin ase) 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 N PM-ALK fusion gene is oncogenic. The deduced amino acid sequences reveal that ALK is a nov el 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 sh ows the greatest sequence similarity to LTK (leukocyte tyrosine kinase). ALK plays an important r ole in the development of the brain and exerts its effects on specific neurons in the nervous syste m. [provided by RefSeq
Other Designations	ALK tyrosine kinase receptor|CD246 antigen|anaplastic lymphoma kinase (Ki-1)|anaplastic lymph oma kinase Ki-1

Disease

- Adenocarcinoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Carcinoma
- Genetic Predisposition to Disease
- Kidney Failure
- Lung Neoplasms
- Multiple Sclerosis
- Schizophrenia
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.