

## EML4 ALK

### Anti-EML4 ALK Antibody

**Cat. #:** 26242

**Gene Symbol:** EML4-ALK

**Description:** Anti-EML4 ALK Mouse Monoclonal Antibody

**Background:** EML4-ALK is a fusion-type protein kinase that can be found in many tumors, such as anaplastic large cell lymphoma, inflammatory myofibroblastic tumor, neuroblastoma and NSCLC, and so on. It is generated as a result of a small inversion within the short arm of human chromosome 2. EML4-ALK protein often promotes and maintains the malignant behavior of the cancer cells by activating the MAPK, PI3K/AKT and JAK/STAT3 pathways.

**Immunogen:** A synthetic peptide from the internal region of EML4-ALK of human origin.

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:**

ELISA: 1:1000-1:2000

WB: 1:500-1:1000

IHC: 1:50-1:100

**Concentration:** 1 mg/ml

**Host Species:** Mouse

**Format:** Liquid

**Clonality:** Monoclonal

**Isotype:**

**Purity:** Purified from ascites

**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Recognizes T41A mutant, but not wild type EML4-ALK of vertebrates.

**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing

### Western blot:



Western blot analysis of recombinant EML4-ALK and wild type proteins. Purified His-tagged EML4-ALK protein (lane 3), corresponding wild type EML4 protein (lane1) and wild type ALK protein (lane2) were blotted with Anti-EML4 ALK monoclonal antibody (Cat. #26242).

## **Immunofluorescence:**



Immunofluorescence of cells expressing EML4-ALK proteins with Anti-EML4 ALK antibody. HEK293T cells were transfected with pCDNA3-GFP-EML4 (WT) plasmid (left column) or pCDNA3-GFP-ALK (WT) plasmid (middle column) or pCDNA3-GFP-EML4-ALK plasmid (right column), then fixed and stained with Anti-EML4 ALK monoclonal antibody (Cat. #26242).