

### 39-1021: Anti-Cdk7/CAK Monoclonal Antibody (Clone: MO-1.1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MO-1.1
<b>Application :</b>	WB,IHC-F,ICC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CDK7
<b>Gene ID :</b>	1022
<b>Uniprot ID :</b>	P50613
<b>Alternative Name :</b>	Cyclin-dependent kinase 7; 2.7.11.22; 2.7.11.23; 39 protein kinase; P39 Mo15; CDK-activating kinase 1; Cell division protein kinase 7; TFIIH basal transcription factor complex kinase subunit; Cdk7; Cak, Cak1
<b>Isotype :</b>	Mouse IgG2b
<b>Immunogen Information :</b>	Recombinant human Cdk7 protein.

#### Description

CDK-activating kinases(CAKs) are multisubunit proteins that phosphorylate and thus activate certain cyclin-dependent protein kinases in the regulation of cell cycle progression. Cyclin dependent kinase7(CDK7) gene is mapped to chromosome 2p15-cen. CDK7 functions in both cyclin binding and T-loop phosphorylation and that these 2 steps of CDK1 activation are mutually dependent.

#### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

#### Application Note

Western blot : 0.25µg/ml; Immunohistochemistry(Frozen Section) : 0.5µg/ml; Immunocytochemistry : 1µg/ml