

## Mouse Monoclonal Antibody to CDK9

**Catalogue Number** sAP-0561

**Target Molecule** **Name:** CDK9

**Aliases:** TAK; C-2k; CTK1; CDC2L4; PITALRE

**MW:** 43kDa

**Entrez Gene ID: 1025**

**Description** The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2, and known as important cell cycle regulators. This kinase was found to be a component of the multiprotein complex TAK/P-TEFb, which is an elongation factor for RNA polymerase II-directed transcription and functions by phosphorylating the C-terminal domain of the largest subunit of RNA polymerase II. This protein forms a complex with and is regulated by its regulatory subunit cyclin T or cyclin K. HIV-1 Tat protein was found to interact with this protein and cyclin T, which suggested a possible involvement of this protein in AIDS. (provided by RefSeq) Tissue specificity: Ubiquitous.

**Immunogen** Purified recombinant fragment of human CDK9 expressed in E. Coli. ;

**Reactive Species** Human

**Clone** MM1B5A7;

**Size and Concentration** 100µg/1mg/ml

**Supplied as** Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

**Reconstitution/Storages** Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

**Applications** ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000

**Shipping** Regular FEDEX overnight shipment (ambient temperature)

**Reference** 1. J Biol Chem. 2008 Mar 21;283(12):7368-78. ; 2. Mol Cell Biol. 2008 Apr;28(7):2201-12.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**