



## MATK Mouse Monoclonal Antibody

E10-20390

**Background:** MATK (megakaryocyte-associated tyrosine kinase), also known as CTK, this protein has amino acid sequence similarity to Csk tyrosine kinase and has the structural features of the CSK subfamily: SRC homology SH2 and SH3 domains, a catalytic domain, a unique N terminus, lack of myristylation signals, lack of a negative regulatory phosphorylation site, and lack of an autophosphorylation site. This protein is thought to play a significant role in the signal transduction of hematopoietic cells. It is able to phosphorylate and inactivate Src family kinases, and may play an inhibitory role in the control of T-cell proliferation. This protein might be involved in signaling in some cases of breast cancer.

**Catalog Number:** E10-20390

**Amount:** 100µg/100µl

**Clone Number:** 9D7

**Species:** Mouse IgG1

**MW:** 56kDa

**Aliases:** CHK; CTK

**Entrez Gene:** 4145

**Immunogen:** Purified recombinant fragment of human MATK expressed in E. Coli.

**Storage:** Store at 4 °C for long term storage, store at -20 °C for short term storage

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human

**Tested Applications:** WB, FC, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** WB: 1/500 - 1/2000. FC: 1/200 - 1/400. ELISA: Propose dilution 1/10000.

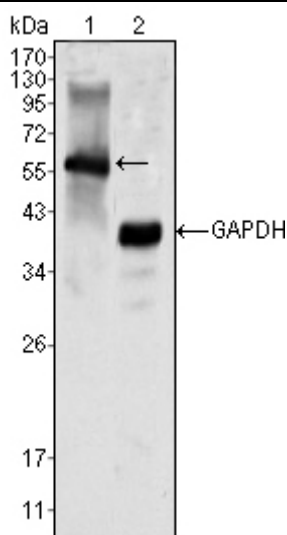


Figure 1: Western blot analysis using MATK mouse mAb against K562 cell lysate (1).

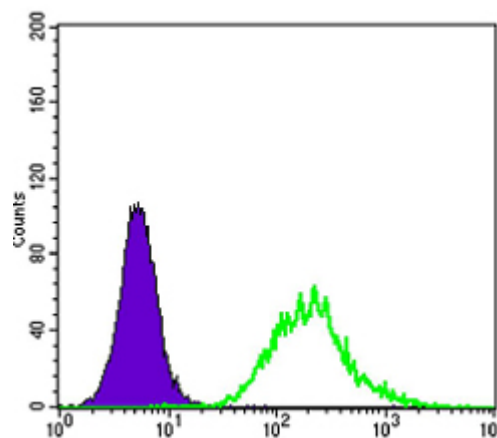


Figure 2: Flow cytometric analysis of K562 cells using MATK mouse mAb (green) and negative control (purple).

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