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Product datasheet for AM06369PU-N

MATK Mouse Monoclonal Antibody [Clone ID: 9D7]

Product data:

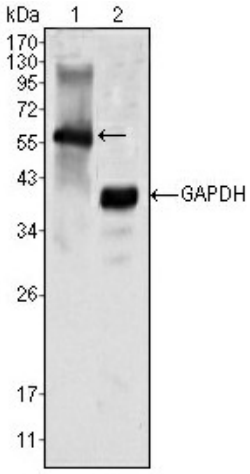
Product Type:	Primary Antibodies
Clone Name:	9D7
Applications:	ELISA, FC, WB
Recommended Dilution:	**Western Blot:** 1/500 - 1/2000. **Flow cytometry:** 1/200 - 1/400. **ELISA**: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human MATK expressed in E. Coli.
Specificity:	This antibody reacts to MATK.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 50% glycerol Preservative: 0,03'% sodium azide
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	56 kDa
Gene Name:	megakaryocyte-associated tyrosine kinase
Database Link:	Entrez Gene 4145 Human P42679

View online »

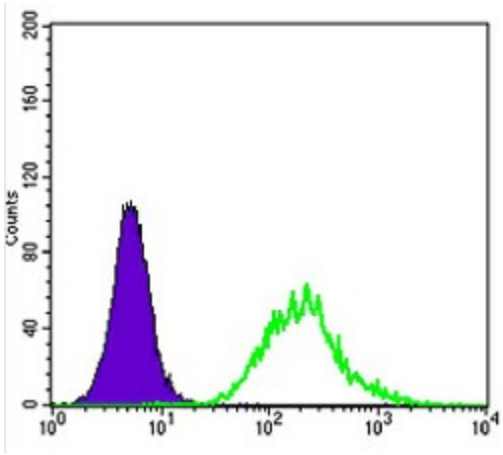
Background: MATK (megakaryocyte-associated tyrosine kinase), also known as CTK, this protein has amino acid sequence similarity to Csk tyrosine kinase and has the structural features of the CSK subfamily: SRC homology SH2 and SH3 domains, a catalytic domain, a unique N terminus, lack of myristylation 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.

Synonyms: Megakaryocyte-associated tyrosine-protein kinase, CHK, CTK, HYL, HYLTK

Product images:



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



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