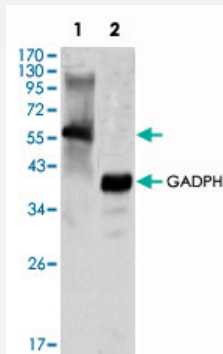


MATK monoclonal antibody, clone 9D7

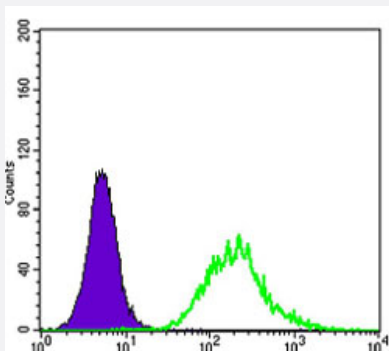
Catalog # MAB10803 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis using MATK monoclonal antibody, clone 9D7 (Cat # MAB10803) against K-562 cell lysate.



Flow Cytometry

Flow cytometric analysis of K-562 cells using MATK monoclonal antibody, clone 9D7 (Cat # MAB10803) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant MATK.
Immunogen	Recombinant protein corresponding to human MATK.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using MATK monoclonal antibody, clone 9D7 (Cat # MAB10803) against K-562 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of K-562 cells using MATK monoclonal antibody, clone 9D7 (Cat # MAB10803) (green) and negative control (purple).

Gene Info — MATK

Entrez GeneID	4145
Gene Name	MATK
Gene Alias	CHK, CTK, DKFZp434N1212, HHYLTk, HYL, HYLTK, Lsk, MGC1708, MGC2101
Gene Description	megakaryocyte-associated tyrosine kinase
Omim ID	600038
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene 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. Three alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq]

Other Designations

Csk-homologous kinase|Csk-type protein tyrosine kinase|HYL tyrosine kinase|hematopoietic consensus tyrosine-lacking kinase|hydroxyaryl-protein kinase|leukocyte carboxyl-terminal src kinase related|protein kinase HYL|tyrosine kinase MATK|tyrosine-protein k