

Datasheet for ABIN969495

**anti-MATK antibody**[Go to Product page](#)**2** Images**1** Publication

## Overview

Quantity:	100 µL
Target:	MATK
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human MATK expressed in E. coli.
Clone:	9D7
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	MATK
Alternative Name:	MATK ( <a href="#">MATK Products</a> )
Background:	Description: 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

## Target Details

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.

Aliases: CHK, CTK

Molecular Weight: 56 kDa

Gene ID: 4145

HGNC: 4145

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Antibody are purified by protein G affinity chromatography. Liquid in PBS containing 50 % glycerol and 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

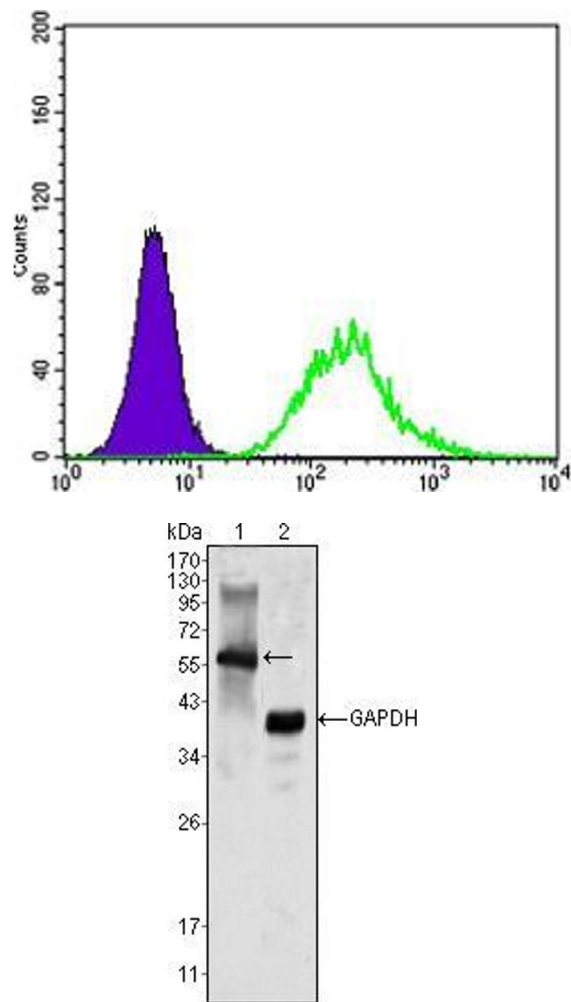
Storage Comment: 4°C, -20°C for long term storage

## Publications

Product cited in: Jan, Adolfsson, Allaman, Buccarello, Magistretti, Pfeifer, Muhs, Lashuel: "Abeta42 neurotoxicity is mediated by ongoing nucleated polymerization process rather than by discrete Abeta42 species." in: **The Journal of biological chemistry**, Vol. 286, Issue 10, pp. 8585-96, (2011) ([PubMed](#)).

Deshmukh, Salehzadeh, Metayer-Coustard, Fahlman, Nair, Al-Khalili: "Post-transcriptional gene silencing of ribosomal protein S6 kinase 1 restores insulin action in leucine-treated skeletal muscle." in: **Cellular and molecular life sciences : CMLS**, Vol. 66, Issue 8, pp. 1457-66, (2009) (

Images



Flow Cytometry

**Image 1.** Flow cytometric analysis of K562 cells using MATK mouse mAb (green) and negative control (purple).

Western Blotting

**Image 2.** Western blot analysis using MATK mouse mAb against K562 cell lysate (1).