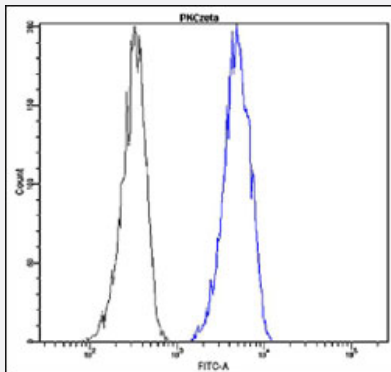


PRKCZ monoclonal antibody, clone S19-V (FITC)

Catalog # MAB15996 Size 1000 uL

Applications



Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with PRKCZ monoclonal antibody, clone S19-V (FITC) (Cat # MAB15996).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PRKCZ.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	EVAC purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (10 mg/mL BSA, 0.05% Sodium Azide).
Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light. Do not freeze.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with PRKCZ monoclonal antibody, clone S19-V (FITC) (Cat # MAB15996).

Gene Info — PRKCZ

Entrez GeneID [5590](#)

Protein Accession# [Q05513](#)

Gene Name PRKCZ

Gene Alias PKC-ZETA, PKC2

Gene Description protein kinase C, zeta

Omim ID [176982](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Protein kinase C (PKC) zeta is a member of the PKC family of serine/threonine kinases which are involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unlike the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a kinase activity which is independent of calcium and diacylglycerol but not of phosphatidylserine. Furthermore, it is insensitive to typical PKC inhibitors and cannot be activated by phorbol ester. Unlike the classical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical properties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PKC. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000001368|OTTHUMP00000044160

Pathway

- [Chemokine signaling pathway](#)
- [Endocytosis](#)
- [Insulin signaling pathway](#)

- [Tight junction](#)
- [Type II diabetes mellitus](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)