

Datasheet for ABIN7043466

**anti-KCNN4 antibody (3rd Extracellular Loop) (FITC)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	50 µg
Target:	KCNN4
Binding Specificity:	3rd Extracellular Loop
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNN4 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: Synthetic mapping to the 3rd extracellular loop of human KCNN4
Isotype:	IgM
Characteristics:	Mouse Anti-KCNN4 (KCa3.1, SK4) (extracellular) Antibody (ABIN7043462 and ABIN7044556)) is a highly specific monoclonal antibody directed against an epitope of the human channel. The antibody can be used in western blot, immunocytochemistry, immunohistochemistry, and indirect flow cytometry applications. It has been designed to recognize KCNN4 from human, rat, and mouse samples. \nMouse Anti-KCNN4 (KCa3.1, SK4) (extracellular)-FITC Antibody (ABIN7043462 and ABIN7044556)-F is directly conjugated to fluorescein isothiocyanate (FITC). The antibody can be used in immunofluorescent applications such as direct live cell flow cytometry.

## Product Details

Purification: Affinity purified from cultured hybridoma medium.

## Target Details

Target: KCNN4

Alternative Name: KCNN4 (KCa3.1, SK4) ([KCNN4 Products](#))

Background: Alternative names: KCNN4 (KCa3.1, SK4), IKCa1, IK1, Intermediate conductance Ca<sup>2+</sup>-activated K<sup>+</sup> channel protein 4, Gardos channel

Gene ID: 3783

NCBI Accession: [NM\\_002250](#)

UniProt: [O15554](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: 50 µL double distilled water (DDW).

Concentration: 1 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

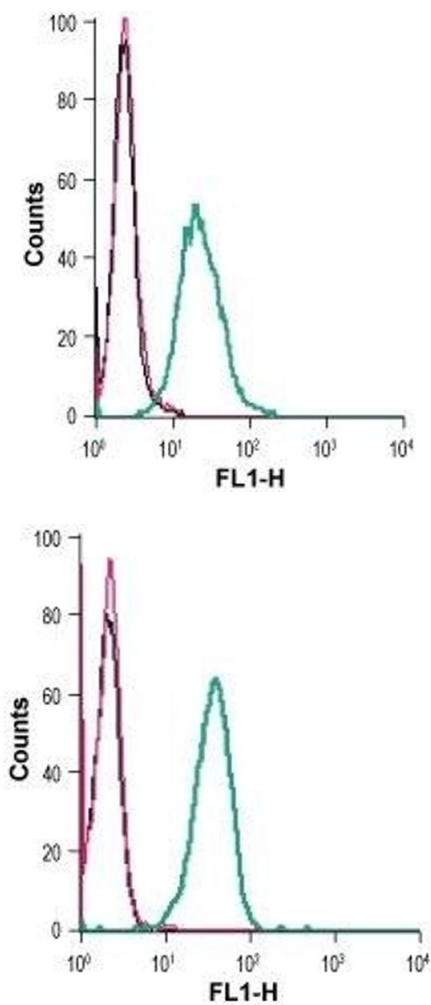
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5

min).



### Flow Cytometry

**Image 1.** Cell surface detection of KCNN4 in live intact mouse J774 macrophage cells: (black line) Cells.(red line) Cells + mouse IgM isotype control-FITC. (green line) Cells + Mouse Anti-KCNN4 (KCa3.1, SK4) (extracellular)-FITC Antibody (ABIN7043466, ABIN7045572, ABIN7045573 and ABIN7045574), (5 µg).

### Flow Cytometry

**Image 2.** Cell surface detection of KCNN4 in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + mouse IgM isotype control-FITC. (green line) Cells + Mouse Anti-KCNN4 (KCa3.1, SK4) (extracellular)-FITC Antibody (ABIN7043466, ABIN7045572, ABIN7045573 and ABIN7045574), (2.5 µg).