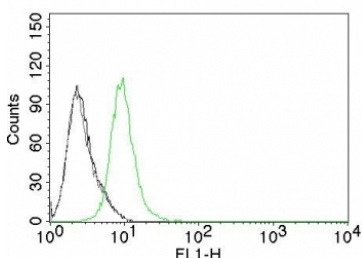


p27K1 Antibody [clone KIP1/769] (V2436CF488)

Catalog No.	Formulation	Size
V2436CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	CF488 Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KIP1/769
Purity	Protein G affinity chromatography
UniProt	P46527
Localization	Nuclear
Applications	Flow Cytometry : 5ul per test per one 10 ⁶ cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence : 1-2ug/ml
Limitations	This p27K1 antibody is available for research use only.



Flow cytometry testing of permeabilized human Jurkat cells. Black: cells alone; Grey: isotype control; Green: p27Kip1 antibody (clone KIP1/769).

Description

This MAb recognizes a 27kDa protein, identified as the p27Kip1, a cell cycle regulatory mitotic inhibitor. It is highly specific and shows no cross-reaction with other related mitotic inhibitors. In Western blotting of cell lysates from 7 human breast cancer cell lines (ZR75-1, ZR75-30, MCF-7, MDAMB453, T47D, CAL51, 734B), the antibody labels a single band corresponding to p27Kip1. It functions as a negative regulator of G1 progression and has been proposed to function as a

possible mediator of TGF- induced G1 arrest. p27Kip1 is a candidate tumor suppressor gene. Reportedly, low p27 expression has been associated with unfavorable prognosis in renal cell carcinoma, colon carcinoma, breast carcinomas, non-small-cell lung carcinoma, hepatocellular carcinoma, multiple myeloma, and lymph node metastases in papillary carcinoma of the thyroid, as well as a more aggressive phenotype in carcinoma of the cervix.

Application Notes

Optimal dilution of the p27K1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein was used as the immunogen for the p27Kip1 antibody.

Storage

Store the p27K1 antibody at 2-8oC, protected from light.