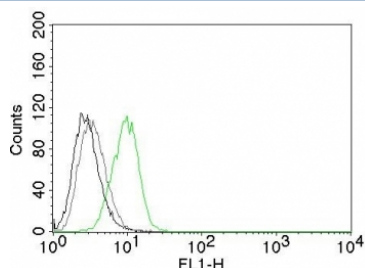


## p27K1 Antibody [clone SX53G8] (V2086CF488)

Catalog No.	Formulation	Size
V2086CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	CF488 Conjugate
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	SX53G8
<b>Purity</b>	Protein G affinity chromatography
<b>Localization</b>	Nuclear
<b>Applications</b>	Flow Cytometry : 5ul per test per one 10 <sup>6</sup> cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence : 1-2ug/ml
<b>Limitations</b>	This p27K1 antibody is available for research use only.



Intracellular FACS testing of human HeLa cells with p27Kip1 antibody (green), isotype control (gray), and cells without primary (black).

## Description

This MAbs 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**

Purified GST-p27 fusion protein of human origin was used as the immunogen for this p27Kip1 antibody.

## **Storage**

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