

## 36-2026: Anti-p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Monoclonal Antibody (Clone: SX53G8)-CF488

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SX53G8
<b>Application :</b>	FACS,IF
<b>Reactivity :</b>	Human, Mouse, Rat
<b>Conjugate :</b>	CF488
<b>Gene :</b>	CDKN1B
<b>Gene ID :</b>	1027
<b>Uniprot ID :</b>	P46527
<b>Alternative Name :</b>	CDKN1B, CDKN4, Cyclin Dependent Kinase Inhibitor 1B, Cyclin-dependent kinase inhibitor p27 Kip1, KIP1, MEN1B, MEN4
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Purified GST-p27 fusion protein of human origin

### 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.

### Product Info

<b>Amount :</b>	0.5 ml at 100µg/ml
<b>Content :</b>	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months.

### Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);

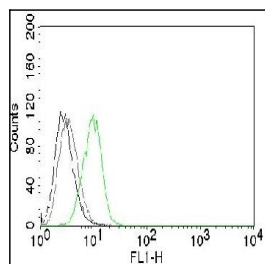


Fig.1: Flow Cytometry of human p27 on HeLa cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled p27 Monoclonal Antibody (SX53G8).