

# p27Kip1 Monoclonal Antibody (DCS-72.F6)

Product Details	
Size	500 µL
Species Reactivity	Dog, Human, Mouse, Rat
Published Species	Mink, Mouse, Human
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	DCS-72.F6
Conjugate	Unconjugated
Immunogen	Mouse recombinant p27 protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	15mM sodium azide
Storage Conditions	4° C
RRID	AB_10988513

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	2 µg/test	-
Immunofluorescence (IF)	Assay Dependent	-
Immunoprecipitation (IP)	2 µg/mL	2 Publications
Western Blot (WB)	0.5-1.0 µg/mL	16 Publications
Immunocytochemistry (ICC)	-	4 Publications
Immunohistochemistry (IHC)	-	25 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

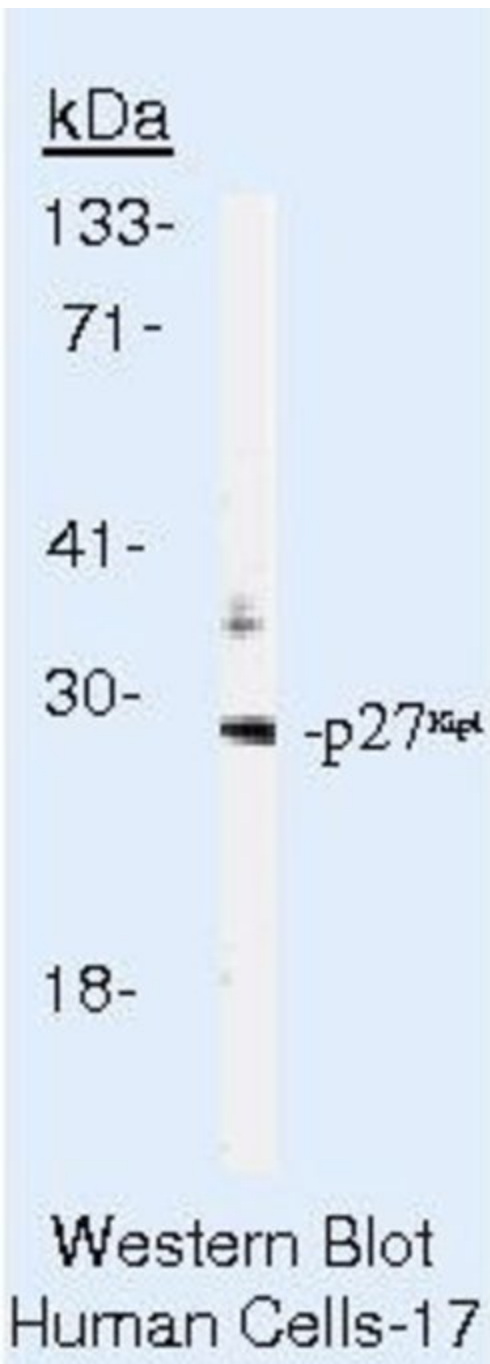
MA5-12835 targets p27Kip1 in FACS, IF, IP, and WB applications and shows reactivity with Canine, Human, mouse, and Rat samples.

The MA5-12835 immunogen is mouse recombinant p27 protein.

## Product Images For p27Kip1 Monoclonal Antibody (DCS-72.F6)

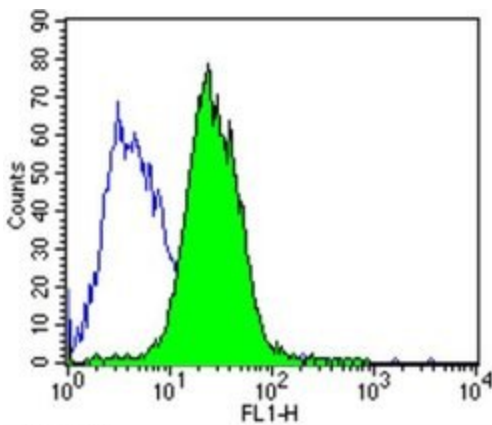
### p27Kip1 Antibody (MA5-12835) in WB

Western blot of p27Kip1 using p27Kip1 Monoclonal Antibody (MA5-12835) on LS174T Cells.

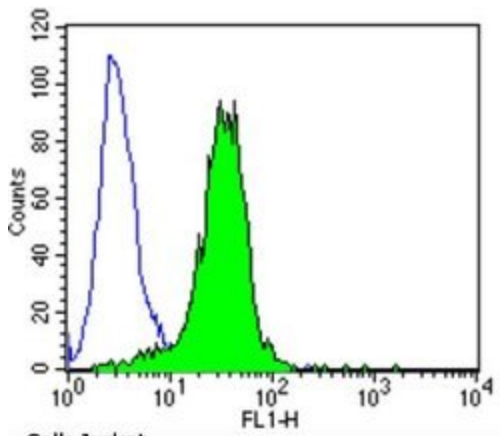


### p27Kip1 Antibody (MA5-12835) in Flow

Flow cytometry analysis of p27Kip1 in NIH-3T3 cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of  $1-5 \times 10^6$  cells/ml, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with a p27Kip1 monoclonal antibody (Product # MA5-12835) at a dilution of 2  $\mu$ g/test for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated goat anti-mouse IgG (H+L) secondary antibody and re-suspended in PBS for FACS analysis.



Cell: 3T3  
Concentration: 2  $\mu$ g/test (100  $\mu$ l)  
Theory location : Nucleus



Cell: Jurkat  
Concentration: 2µg/test (100µl)  
Theory location : Nucleus

### p27Kip1 Antibody (MA5-12835) in Flow

Flow cytometry analysis of p27Kip1 in Jurkat cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of  $1-5 \times 10^6$  cells/ml, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with a p27Kip1 monoclonal antibody (Product # MA5-12835) at a dilution of 2 µg/test for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated goat anti-mouse IgG (H+L) secondary antibody and re-suspended in PBS for FACS analysis.

[View more figures on thermofisher.com](http://thermofisher.com)

## 48 References

### Miscellaneous PubMed (1)

Proceedings of the National Academy of Sciences of the United States of America

#### The RNA-binding protein LIN28B regulates developmental timing in the mammalian cochlea.

"MA5-12835 was used in immunohistochemistry to elucidate the molecular mechanisms involved in the timing and coordination of auditory prosensory proliferation and differentiation."

Authors: Golden EJ, Benito-Gonzalez A, Doetzlhofer A

**Species**  
Mouse

**Dilution**  
1:200

**Year**  
2015

### Immunoprecipitation (2)

Carcinogenesis

#### Apigenin inhibits prostate cancer progression in TRAMP mice via targeting PI3K/Akt/FoxO pathway.

"MA5-12835 was used in immunoprecipitation and western blot to study the role of PI3 kinase/Akt/FoxO signaling in the mechanism by which apigenin inhibits the progression of prostate cancer in a murine model"

Authors: Shukla S, Bhaskaran N, Babcook MA, Fu P, Maclennan GT, Gupta S

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2014

Molecular and cellular biology

#### Differential modification of p27Kip1 controls its cyclin D-cdk4 inhibitory activity.

"MA5-12835 was used in immunoprecipitation to study if the growth state-dependent tyrosine phosphorylation of p27Kip1 determines whether or not it inhibits cdk4"

Authors: James MK, Ray A, Leznova D, Blain SW

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2008

### Western Blot (16)

British journal of cancer

#### Recruitment of trimeric proliferating cell nuclear antigen by G1-phase cyclin-dependent kinases following DNA damage with platinum-based antitumour agents.

"MA5-12835 was used in western blot to study the role of trimeric PCNA recruited to G1-phase Cdk-p21 complexes following platinum-induced DNA damage"

Authors: He G, Kuang J, Koomen J, Kobayashi R, Khokhar AR, Siddik ZH

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2013

[View more WB references on thermofisher.com](#)

### More applications with references on thermofisher.com

ICC (4)

IHC (25)

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