

Mouse anti-p21^{Cip1/WAF1}

Publication Part no. MAN0005798

Rev. 1.00

Catalog Number: 337000

Store at 2 to 8°C (short-term), or -20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 50 µg
Volume: 100 µL

Host/Class: Mouse IgG_{1κ}
Reactivity: Human

Product Description

p21^{Cip1/WAF1} (p21) is an inhibitor of cyclin-dependent kinases (CDK) and is transcriptionally activated by p53. The p21 promoter contains a p53-binding site and transcriptional activation can occur through wild-type but not mutant p53. Induction of p21 has been shown to be essential for p53-mediated arrest of the cell cycle in G1 in response to DNA damage, and transfection of p21 into both tumor cell lines and normal fibroblasts results in growth inhibition. Although expression of p21 has been demonstrated to be largely dependent upon p53, p53-independent expression of p21 has also been observed. This antibody reacts specifically with an epitope formed by amino acid residues 58–77 of human p21^{Cip1/WAF1}. During development reactivity was confirmed with human p21^{Cip1/WAF1}. It does not react with the corresponding mouse or rat proteins. Reactivity with other species has not been tested.

Product Specifications

Immunogen: Full length recombinant human p21^{Cip1/WAF1}
Clone/PAD: EA10
Lot: See product label

Product Applications

Application	Concentration
Flow Cytometry	2 µg/mL
IHC (frozen)	5 µg/mL
IHC (paraffin)	5 µg/mL
Immunofluorescence	1–5 µg/mL
Immunoprecipitation (non-denatured)	2 µg/mL
Western Blotting (chemiluminescence)	0.1–1 µg/mL

Storage and Handling

This antibody can be stored at 2 to 8°C for up to one month. For long term storage, -20°C is recommended; however, repeated freezing and thawing should be avoided.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS), pH 7.4, containing 0.1% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

Safety Data Sheets (SDS)








Safety Data Sheets (SDSs) are available at www.lifetechnologies.com/support.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.lifetechnologies.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

For research use only. Not for use in diagnostic procedures.

Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

Limited Use Label License: Research Use Only

The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product only to perform internal research for the sole benefit of the purchaser. No right to resell this product or any of its components is conveyed expressly, by implication, or by estoppel. This product is for internal research purposes only and is not for use in commercial applications of any kind, including, without limitation, quality control and commercial services such as reporting the results of purchaser's activities for a fee or other form of consideration. For information on obtaining additional rights, please contact outlicensing@lifetech.com or Out Licensing, Life Technologies, 5791 Van Allen Way, Carlsbad, California 92008.

©2012 Life Technologies Corporation. All rights reserved. The trademarks mentioned herein are the property of Life Technologies Corporation or their respective owners.

For support visit www.lifetechnologies.com/support or email techsupport@lifetech.com



www.lifetechnologies.com

5 November 2012