

Product datasheet

anti-p21/ WAF1 mouse monoclonal, WA-1, purified

Short overview

Cat. No.	691725
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	WA-1
Immunogen	Human p21 protein
Formulation	PBS with 0.02% sodium azide
Synonym	Cyclin-dependent kinase inhibitor 1, CDK-interacting protein 1, Melanoma differentiation-associated protein 6, MDA-6, p21, CDKN1A, CAP20, CDKN1, CIP1, MDA6, PIC1, SDI1, WAF1
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, FACS, ICC/IF, IHC
Reactivity	Human, Monkey, Mouse, Rat

Applications

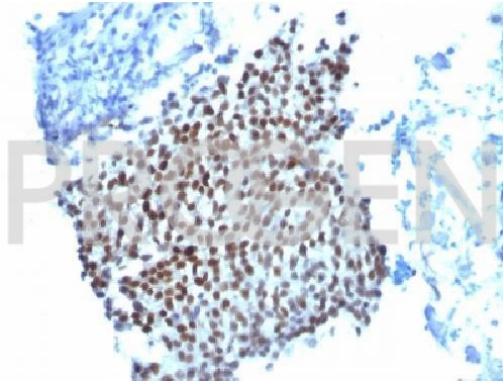
ELISA	Assay dependent
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)

Background

WA-1 reacts with human and other mammalian p21, a tumor suppressor protein, belonging to the CDI family. The intracellular protein p21 is a 21 kDa protein, also known as wild-type p53-activated fragment 1 (WAF1). It is an inhibitor of cyclin-dependent kinases (Cdk) and of proliferating-cell nuclear antigen (PCNA). It is induced by wild type p53, but not by mutated p53, by mezerein (anti-leukemic compound) and by interferon-β. Normal cells generally display a rather intense nuclear p21 expression. Loss of p21 expression has been reported in many carcinomas (gastric carcinoma, non-small cell lung carcinoma and thyroid carcinoma).

Positive control: MCF7 cells, UV treated fibroblasts, HeLa cells, skin, colon, or breast carcinoma.

Product images



Bladder carcinoma