



Mouse monoclonal antibody to Cyclin-dependent kinase inhibitor 2A [IMD-16]: IgG

Catalogue No.:	M-1209-100
Description:	The Cyclin-dependent kinase inhibitor 2A (CDK2NA) gene encodes several transcripts which differ from each other in their first exons. In spite of the structural and functional differences of these transcripts, they are all involved in cell cycle G1 control. Isoform 1, also known as p16INK4A, acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6 kinases. This antibody reacts specifically with this isoform (p16INK4A).
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Recombinant human Cyclin-dependent kinase inhibitor 2A
Clone:	IMD-16
Other Names:	Cyclin-dependent kinase 4 inhibitor A; CDK4I; p16-INK4a; p16INK4A; p16-INK4; Multiple tumor suppressor 1; MTS-1; CDKN2A; CDKN2; MTS1;
Accession:	P42771 CD2A1_HUMAN;
Produced in:	Mouse
Purity:	IgG
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.5-1.0 ug/mL is recommended for WB. Human CDK2NA (isoform 1, p16INK4A) has a predicted length of 156 residues and MW of 17 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase.

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