



**Mouse (monoclonal)  
Anti-cdk6  
Unconjugated**

**PRODUCT ANALYSIS SHEET**

---

<b>Catalog Number:</b>	AHZ0232
<b>Lot Number:</b>	See product label
<b>Quantity/Volume:</b>	100 µg/0.5 mL
<b>Clone Number:</b>	K6.83 (also known as DCS-83)
<b>Isotype:</b>	IgG1 (mouse)
<b>Form of Antibody:</b>	Purified immunoglobulin in phosphate buffered saline, pH 7.4, with 0.2% bovine serum albumin.
<b>Preservation:</b>	0.09% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)
<b>Purification:</b>	Purified from ascites by protein G affinity chromatography.
<b>Immunogen:</b>	Purified recombinant cdk6 protein.
<b>Specificity:</b>	This antibody recognizes a protein of 40 kDa, identified as cyclin-dependent kinase-6 (cdk6, also known as p40 <sup>cdk6</sup> and PLSTIRE). Cyclin-dependent kinases (cdk) are the catalytic subunits of the cyclin/cdk complexes, which phosphorylate substrates on threonine/serine residues. Cdk6 associates with the D-type cyclins and is important in the progression of cells from the G <sub>1</sub> -phase to the S-phase of the cell cycle. This antibody does not cross-react with other members of the cdk family.
<b>Species Reactivity:</b>	Human, mouse, and rat cdk6 protein. Other species were not tested.
<b>Applications:</b>	This antibody is suitable for use in immunoprecipitations (use Protein G), Western blotting, immunofluorescence, and immunohistochemistry with cryostat sections.
<b>Suggested Working Dilutions:</b>	For immunoprecipitation, use 2µg/mg of protein lysate; and for Western blotting, 1-2µg/mL is recommended. The optimal concentration should be determined for each specific application.
<b>Recommended Positive Control:</b>	NIH-3T3, CEM, ML-1, 3T3-L1 cells and thymus.
<b>Storage:</b>	Store at 2-8°C.
<b>Expiration Date:</b>	Expires one year from date of receipt when stored as instructed.

**For research use only. CAUTION: Not intended for human or animal therapeutic or diagnostic use.**

[www.invitrogen.com](http://www.invitrogen.com)

Invitrogen Corporation • 542 Flynn Rd • Camarillo • CA 93012 • Tel: 800.955.6288 • E-mail: [techsupport@invitrogen.com](mailto:techsupport@invitrogen.com)

PI AHZ0232

(Rev 12/09) DCC-09-2077

**Important Licensing Information** - These products may be covered by one or more Limited Use Label Licenses (see the Invitrogen Catalog or our website, [www.invitrogen.com](http://www.invitrogen.com)). By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.