Qty: 100 µg/200 µL

Mouse anti-p19

Catalog No. 37-8700

Lot No.

Mouse anti-p19

FORM
This monoclonal antibody is supplied as a 200 µL aliquot at a concentration of 0.5 mg/mL in PBS, pH 7.4, containing 0.1% sodium azide. This antibody is highly purified from mouse ascites by protein A chromatography.

CLONE: 2D2G4 **ISOTYPE:** Mouse IgG_1-kappa

IMMUNOGEN
A recombinant full length human p19 protein.

SPECIFICITY
This antibody is specific for the human p19 protein. On Western blots, it identifies a band at ~19 kDa. This antibody does not react with mouse p19 or human p18.

REACTIVITY
Reactivity has been confirmed with recombinant human p19 protein.

Sample	Immuno-precipitation (Native)	ELISA	Western Blotting
Human	++	ND	+++
Immunogen	ND	+++	+++

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined ND)

USAGE
Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Immunoprecipitation: 10 µg/test
Western Blotting: 1-3 µg/mL
ELISA: 0.1-1.0 µg/mL

STORAGE
Store at 2-8°C for up to one month. Store at –20°C for long-term storage. Avoid repeated freezing and thawing.

(cont'd)

BACKGROUND

Cyclins are important in regulating the cell cycle through their formation of enzymatic complexes with various cyclin-dependent kinases. The activity of the cyclin D-dependent kinases is controlled by inhibitors such as the INK4 family, which includes INK4a, INK4b, INK4c, and INK4d. The p19 protein, also known as INK4d was first identified in a yeast two-hybrid system screened for CDK4 binding proteins.[1] Human p19 shares 86% identity at the amino acid level with murine p19, and is approximately 44% identical to each of the other human INK4 family members.[2]

REFERENCES

1. Hirai H, et al. *Molec. Cell. Biol.* 15: 2672-2681, 1995.
2. Okuda, T. et al. *Genomics* 29: 623-630, 1995.

RELATED PRODUCTS

Product	*Conjugate*	*Cat. No.*
Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

Conjugate	ZyMAX™ Goat x Rabbit IgG (H+L)	ZyMAX™ Goat x Mouse IgG (H+L)
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy™3	81-6115	81-6515
Cy™5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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