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45-1005: Rabbit Polyclonal Antibody to c-Myc-tag

Clonality :	Polyclonal
Application :	ELISA
Reactivity :	Human
Format :	Purified
Isotype :	Rabbit IgG
Immunogen Information :	c-Myc epitope tag peptide EQKLISEEDL conjugated to KLH

Description

The c-Myc protein is a transcription factor, encoded by the c-Myc gene on human chromosome 8q24. c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis, and cell cycle progression. A synthetic peptide corresponding to residues 410-419 of the human p62 c-myc protein conjugated to KLH is used as immunogen. c-Myc-tag provides a method of localizing gene products in a variety of cell types, to study the topology of proteins and protein complexes and of identifying associated proteins. This product is suitable for detecting the expression level of c-Myc fusion proteins or c-Myc by various immunoassays.

Product Info

Amount :	40 µg
Purification :	Immunoaffinity chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA: 0.05-0.2 µg/ml
Western blot: 1-2 µg/ml

Immunoprecipitation (IP): 2-5 µg/ml
Reconstitute the lyophilized product with deionized water (or equivalent) to the final concentration of 0.5 mg/ml.

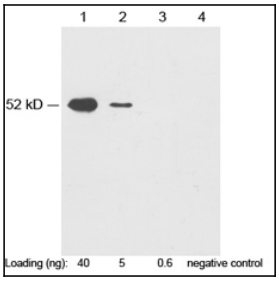


Figure-1 : Western blot analysis of c-Myc-tag Antibody at 1 µg/ml on c-Myc fusion protein (40, 5 and 0.6 ng) , Lane 1-3: HEK293 cell lysate and Lane 4: HEK293 cell lysate (as Negative Control).

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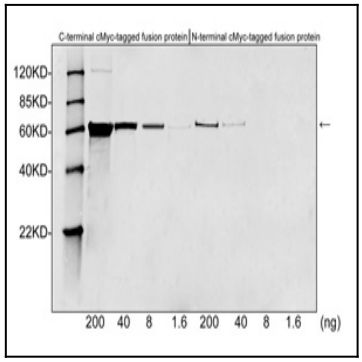


Figure-2 : Western blot analysis of c-Myc-tag Antibody at 1 µg/ml on C-terminal (Left) & N-terminal (Right)of Myc tagged fusion proteins (200-1.6ng) expressed in E. coli cell lysate. IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary Antibody.

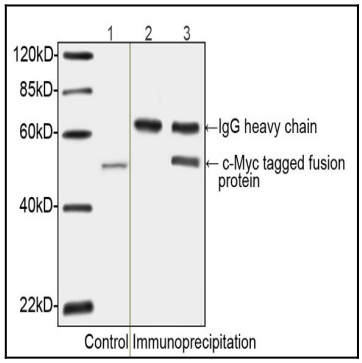


Figure-3 : Western blot analysis of c-Myc-tag Antibody on immunoprecipitates from c-Myc-tagged protein, 1: c-Myc tagged fusion protein as control, 2: Immunoprecipitates of c-Myc tagged fusion protein incubated with Rabbit IgG Control and Protein A served as negative control, 3: Immunoprecipitates of c-Myc tagged fusion protein incubated with c-Myc-tag Antibody and Protein A. IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary Antibody.

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