

Myc-Tag (71D10) Rabbit mAb (Biotinylated)

✓ 100 µl
(10 western blots)



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This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

Entrez-Gene ID #4609
Swiss-Prot Acc. #P01106

Applications	Species Cross-Reactivity	Molecular Wt.	Isotype
W, F Transfected	All	65 kDa	Rabbit IgG

Description: This Cell Signaling Technology (CST) antibody is conjugated to biotin under optimal conditions and tested using COS cells transfected with Myc tagged protein.

Background: Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation and immunostaining techniques. Due to their small size, they are unlikely to affect the tagged protein's biochemical properties.

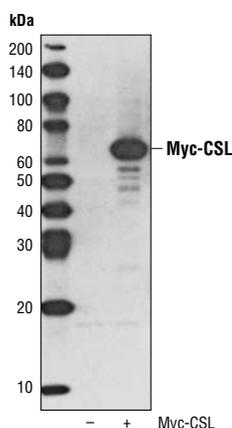
The Myc epitope tag is widely used to detect expression of recombinant proteins in bacteria, yeast, insect and mammalian cell systems (1).

Specificity/Sensitivity: Myc-Tag (71D10) Rabbit mAb detects recombinant proteins containing the Myc epitope tag. The antibody recognizes the Myc-tag fused to either the amino or carboxy terminus of targeted proteins in transfected cells.

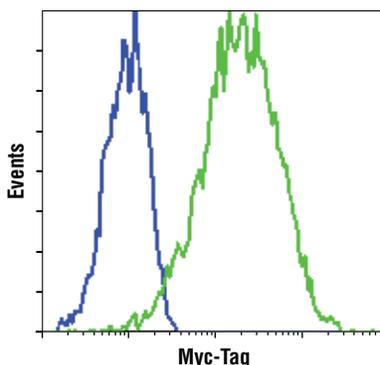
Source/Purification: Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues 410-419 of human c-Myc (EQKLISEEDL).

Background References:

- (1) Munro, S. and Pelham, H.R. (1984) *EMBO J.* 3, 3087-3093.



Western blot analysis of extracts from COS cells, untransfected or transfected with Myc-chorionic somatomammotropin hormone-like 1 (CSL), using Myc-Tag (71D10) Rabbit mAb (Biotinylated). Detection was performed with Streptavidin-HRP followed by LumiGlo® and Peroxidase #7003.



Flow cytometric analysis of COS cells, untreated (blue) or Myc transfected (green), using Myc-Tag (71D10) Rabbit mAb (Biotinylated).

Storage: Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, 50% glycerol. Store at -20°C. Do not aliquot antibody.

Biotinylated antibodies are designed to be detected using streptavidin conjugates.

Recommended Antibody Dilutions:

Western blotting 1:1000
Flow Cytometry 1:200

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Applications Key: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide
Species Cross-Reactivity Key: H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.