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#2040

Myc-Tag (9B11) Mouse mAb (HRP Conjugate)

For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: | Reactivity: | Sensitivity: | MW (kDa): | Source/Isotype: |
|---------------|-------------|--------------|-----------|-----------------|
| W | All | Endogenous | 65 | Mouse IgG2a |

| | | |
|----------------------------------|--|---------------------------|
| Product Usage Information | Application Western Blotting | Dilution 1:1000 |
| Storage | Supplied in 140 mM NaCl, 3 mM KCl, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium phosphate monobasic, 2 mg/mL BSA, and 50% glycerol. Store at -20°C. <i>Do not aliquot the antibody.</i> | |
| Specificity/Sensitivity | Myc-Tag (9B11) Mouse mAb (HRP Conjugate) detects exogenously expressed proteins containing the Myc epitope tag. This antibody recognizes the Myc tag fused to either the amino or carboxy terminus of targeted proteins in transfected cells. Myc-Tag (9B11) Mouse mAb (HRP Conjugate) detects exogenously expressed Myc-tagged proteins in cells expressed under a CMV promoter. Expression under other promoters has not been evaluated. The antibody may cross-react with c-myc protein. The antibody may weakly cross-react with a protein of unknown origin ~90kDa. | |
| Source / Purification | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues 410-419 of human c-Myc (EQKLISEEDL). This antibody was conjugated to HRP under optimal conditions. | |
| Background | Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques. Because of 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). | |
| Background References | 1. Munro, S. and Pelham, H.R. (1984) <i>EMBO J.</i> 3, 3087-3093. | |
| Species Reactivity | Species reactivity is determined by testing in at least one approved application (e.g., western blot). | |
| Western Blot Buffer | IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. | |
| Applications Key | W: Western Blotting | |
| Cross-Reactivity Key | All: All Species Expected | |
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