

Anti-Myc Tag Monoclonal Antibody



| <u>Catalog No.</u> | <u>Size</u> |
|--------------------|-------------|
| E022050-01 | 100µl |
| E022050-02 | 500µl |
| E022050-03 | 50µl |

| | |
|---------------------|--|
| Product Name | Anti-Myc Tag Monoclonal Antibody [Myc.A7] |
| Product type | Tag Antibody |
| Application | WB ICC/IF IP |
| Description | Mouse Monoclonal to Myc tag antibody |
| Immunogen | A synthetic peptide corresponding to residues 410-419 (EQKLISEEDL) coupled to KLH |
| Specificity | Recognizes over-expressed proteins containing Myc tag fused to either amino- or carboxy-termini of targeted proteins in transfected mammalian cells. |

Background Information

Myc tag is a polypeptide protein tag derived from the c-myc gene product that can be added to a protein using recombinant DNA technology. It can be used for affinity chromatography, then used to separate recombinant, overexpressed protein from wild type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits. The peptide sequence of the myc-tag is as follows: N-EQKLISEEDL-C (1202 Da). It can be fused to the C-terminus and the N-terminus of a protein. It is also advisable not to fuse the tag directly behind the signal peptide of a secretory protein, since it can interfere with translocation into the secretory pathway. A myc-tag can be used in many different assays that require recognition by an antibody.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows: Western Blot (1:1000-1:10,000), Immunoprecipitation (1:200) and Immunofluorescence (1:200-1:800).

Host

Mouse

Clonality

Myc.A7

Storage Buffer

PBS, pH 7.4 with 0.05% sodium azide, 50% Glycerol.

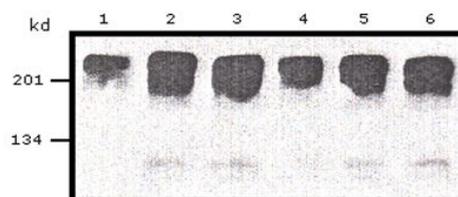
Form

Liquid, 1.000mg/ml

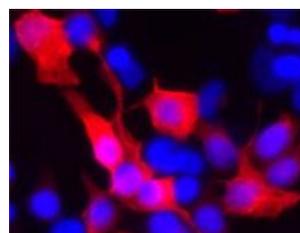
Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



Western blot analysis of Myc-tagged fusion construct under different transfection conditions of transfection reagents and amount of fusion DNA construct.



Anti-Myc tag monoclonal antibody staining Human HEK 293 cells transfected with Myc tagged recombinant protein by ICC/IF. DAPI was used for nuclei staining (blue).