P06006

Mouse anti c-myc epitope antibody (monoclonal)

Product	Mouse monoclonal antibody (IgG_1), directed against the c-myc epitope.
Contents	30 µl, 400 µg/ml IgG_1. Sufficient for 20 Western blots.
Storage	Store at 4°C, do not freeze

Background

Anti-c-myc was originally developed to study c-myc, a member of the family of nuclear proteins that have been found in several types of human tumors. Subsequent studies have used anti-c-myc to detect and purify proteins whose DNA coding sequences have been fused to the coding sequence of the c-myc epitope by recombinant DNA techniques. Such epitope tagging studies are useful for:

- determining size, intracellular localization, and abundance of proteins produced by newly discovered genes
- tracking intracompartmental sorting of a family of proteins
- analyzing the function of individual protein domains
- following the fate of transfected proteins
- discovering the function of proteins that are difficult to purify or share epitopes with a number of other proteins

Application

This antibody has been specifically tested for Western blotting applications involving the detection of c-myc fusion proteins in total yeast extracts. It is also suitable for detecting recombinant proteins expressed in *Escherichia coli* and in a variety of mammalian cell lines and primary cells.

Recommended dilution for Western blotting is 1:7'500. Dilute antibody in 1x PBS pH 7.4, 0.1% Tween-20, 1% non-fat milk powder, or similar incubation buffer. We recommend incubation volumes of 10 ml and incubation times of 10-15 hours at 4°C.

Specificity

Anti-c-myc recognizes the c-myc epitope sequence EQKLISEEDL, which is derived from the human c-myc protein. The monoclonal antibody against the c-myc epitope is well characterized and does not crossreact with other cellular proteins.

Support

Please see www.dualsystems.com for support and protocols. Please direct support inquiries to support@dualsystems.com or call +41 44 738 50 00.

Research use

This product is intended for research use only, not for diagnostic or therapeutic uses.

MSDS

Non-hazardous. No MSDS required. Observe good laboratory practice guidelines and wear gloves, laboratory coat and glasses when handling the product.