ADVANCED TARGETING SYSTEMS

6352 CORTE DEL ABETO, STE B
CARLSBAD, CA 92011 USA
01.858.642.1988 • WWW.ATSBIO.COM

Antibody to FLAG peptide IgG2b
MOUSE MONOCLONAL

Catalog Number: AB-451
Quantity: 100 micrograms, 200 micrograms, 500 micrograms
Format: 1×PBS and 50% glycerol
Host: Mouse
Isotype: IgG2b
Clone: PFLAGSHG
Immunogen: Synthetic peptide (DYKDDDDK)

Background:
A fusion tag called FLAG consists of eight amino acids (AspTyrLysAspAspAspAspLys) including an enterokinase-cleavage site. FLAG is specifically designed for immunoaffinity chromatography. It allows elution under non-denaturing conditions. Several antibodies against this peptide have been developed. One antibody denoted as M1 binds the peptide in the presence of bivalent metal cations preferably Ca(+). Elution is effected by chelating agents. Another strategy is competitive elution with excess of free FLAG Peptide. The FLAG peptide purifies and detects recombinant fusion proteins. FLAG peptide is useful in western blotting, immunocytochemistry, immunoprecipitation, flow cytometry, protein purification, and in the study of protein-protein interactions, cell ultrastructure, and protein localization. Flag peptide is a hydrophilic tag which significantly improves the detection and purification of recombinant fusion proteins.

Specificity and Preparation:
Monoclonal antibodies are produced by immunizing mouse with synthetic peptide (DYKDDDDK) conjugated to KLH.

Usage and Storage:
Reported to be effective for immunoblotting (western blot, 0.5 μg/ml) and immunoprecipitation.
Antibody is stable two years at -20°C and one month at 4°C. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

To view protocol(s) for this and other products please visit: www.ATSbio.com/support/protocols