



**Category:** Monoclonal Antibodies      **Cat. #** mab-SF-C086      **Product Name:** FLAG

**Description:**

Monoclonal mouse anti FLAG Peptide. A fusion tag called FLAG consists of eight amino acids (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) 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

**Immunogen:**

Flag (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys)-conjugated proteins.

**Application:**

Flow cytometry, WB, protein purification

**Presentation:**

50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

**Aliquoting Instructions:**

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

**Specificity:**

This antibody recognizes FLAG Peptide.

**Storage:**

Store at 2~8°C for short term, freeze under -20°C for long term storage.

**Size:** 0.2 mg

**Clone:** 6D1

**Isotype:** IgG1

**Host:** Mouse

**Form:** Purified

**Concentration:** 0.5 mg/ml

**Units on Hand:** YES

**References:**

1. Hitomi, K., et al., Nat. Immunol. 11: 601, 2010.
2. Hitomi, K., et al., Nat. Immunol. 11: 601, 2010.
3. Pirozzi, G., et al., J. Immunol. 155: 5811, 1995.

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