

## Product Information

### FLAG® Peptide

Catalog Number **F3290**

Storage Temperature 2–8 °C

#### Product Description

Synthetic octapeptide, molecular weight 1013.0:  
N-Asp-Tyr-Lys-Asp-Asp-Asp-Lys-C

The FLAG Peptide is useful for the competitive elution of amino-terminal, Met-amino-terminal or carboxy-terminal FLAG fusion proteins from the ANTI-FLAG® M1 or M2 monoclonal antibody in solution or bound to agarose gel.

The FLAG Peptide will not elute 3X FLAG fusion proteins. For this application, use 3X FLAG Peptide, F4799.

#### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### Preparation Instructions

To prepare a stock solution, dissolve in TBS (10 mM Tris HCl, 150 mM NaCl, pH 7.4) to a final concentration of 5 mg/ml. Aliquot and store at –20 °C. Repeated freezing and thawing is **not** recommended.

A working concentration of 100 µg/ml is commonly used to elute FLAG fusion proteins from the ANTI-FLAG M1 and M2 affinity resins. Five one-column volumes of the working solution are sufficient to elute most FLAG fusion proteins.

#### Storage/Stability

Store the lyophilized powder at 2–8 °C. After reconstitution, aliquot and store at –20 °C. Repeated freezing and thawing is **not** recommended.

#### Procedure

Elution of FLAG Fusion Proteins by Competition with FLAG Peptide - Elute the bound FLAG fusion protein from the ANTI-FLAG M1 or M2 affinity resin by competitive elution with five one-column volumes of a solution containing 100 µg/ml FLAG peptide in TBS.

#### References

Brizzard, B.L., *et al.* Immunoaffinity purification of FLAG® epitope-tagged bacterial alkaline phosphatase using a novel monoclonal antibody and peptide elution. *BioTechniques* **16**, 730-735 (1994).

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The product designations of pFLAG™, p3XFLAG™, pFLAG-1™, pFLAG-2™, pFLAGSHIFT™, pFLAG-CTS™, pFLAG-ATSTM, pFLAG-MAC™, pFLAG-CMV™, YEpFLAG™, and FLAG-BAP™ are trademarks of Sigma-Aldrich Biotechnology LP Sigma-Aldrich Co.

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