

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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