



3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone (800) 325-5832 (314) 771-5765  
Fax (314) 286-7828  
email: techserv@sial.com  
sigma-aldrich.com

## ProductInformation

### V5 TAG PEPTIDE

Product Number **V7754**

#### Product Description

V5 Tag Peptide is a synthetic peptide with a molecular weight of 1524.8. The amino acid sequence is: N-Cys-Gly-Lys-Pro-Ile-Pro-Asn-Pro-Leu-Leu-Gly-Leu-Asp-Ser-Thr-C, which corresponds to amino acids 95-108 of non-structural protein V and to RNA polymerase  $\alpha$  subunit (P protein), of Paramyxovirus SV5 with an N-terminal cysteine.

The peptide is useful for competing out anti-V5 antibody binding to V5-tagged fusion proteins in immunoassays. The successful inhibition of antibody binding ascertains that the experimental observed binding is specific.

#### Reagent

The product is supplied as lyophilized powder.

#### Preparation Instructions

To prepare a stock solution, dissolve in water to a final concentration of 5 mg/ml. Aliquot and store at  $-20^{\circ}\text{C}$ .

#### Storage/Stability

Store lyophilized reagent at  $-20^{\circ}\text{C}$ . For extended storage after reconstitution, store at  $-20^{\circ}\text{C}$  in working aliquots. Avoid repeated freeze-thaw.

#### Product Profile

A working concentration of 5-10  $\mu\text{g/ml}$  is commonly used to compete out the binding of Monoclonal anti-V5 (Product No. V8012) and Rabbit anti-V5 (Product No. V8137) antibodies at working dilution, in immunoblotting assays. Preincubation of the peptide with the antibody is recommended.

Note: In order to obtain best results in different techniques we recommend determining optimal working dilution by titration test.

AC 11/20/00

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.