

V5 Peptide

Properties

Product Name	V5 Peptide
Code	APK054
Peptide	GKPIPNPLLGLDST
Assay	≥95% (HPLC/MS)
Form	Lyophilized powder
Storage Temp	2-8°C
Preparation Note	Dissolve in TBS as a stock solution(Storage at -20°C) at a concentration of 5 mg/ml

Note: TBS(50 mMTris-HCl, pH 7.4, with 150 mM NaCl)

Description

The V5 Peptide is a synthetic peptide of 14 amino acid residue (GKPIPNLLGLDST). The V5 epitope peptide is a synthetic peptide with an amino acid sequence corresponding to amino acids 95-108 of the nonstructural protein V.

Benefits

This peptide is used in immunoassays to displace V5-tagged fusion proteins from anti-V5 antibodies. Successful inhibition of antibody binding to the V5 peptide indicates specific binding. After competitive elution of the V5 tag fusion expression protein from this product, the eluted sample does not contain the light and heavy chains of the traditional Anti-V5 tag antibody, effectively solving the interference issue of light and heavy chains during Western detection after immunoprecipitation. In conventional immunoprecipitation, the V5 tag fusion expression protein is usually released into the solution by boiling with the addition of loading buffer, but at this time, the light and heavy chains of the Anti-V5 tag antibody also enter the solution and are likely to interfere with subsequent Western detection. The most important thing about peptide elution is to maintain the activity of the elution product.

Application notes

Recommended working concentration is 100-400µg/ml for elute V5 tag fusion proteins from the V5 affinity gel(V5 tag Nanoselector Agarose, V5 tag Nanoselector Magnetic beads or other Anti-V5 tag affinity gel).

This product is for research use only and is not approved for use in humans or in clinical