



Specification Sheet

Antibody against phosphinothricin-N-acetyltransferase		
Product Name	PAT mAb1	
Catalog Number	A84-Ab1	
Lot Number		
Description	Monoclonal antibody to phosphinothricin-N-acetyltransferase (PAT) encoded by Bialaphos resistance (bar) gene	
Product Profile	Immunogen	Recombinant phosphinothricin-N-acetyltransferase from Escherichia coli BL21(DE3)
	Specificity	Specific for neomycin PAT in GMO plant Specific for PAT encoded by Bar gene
	Format	Liquid
	Buffer	50 mM NaCl, 20 mM PBS pH 7.4, with 0.1% NaN ₃
	Source/Clone	Mouse ascites / Monoclonal
	Subclass	IgG1
	Purification	Protein A affinity chromatography purified
	Concentration	
Purity	>95%	
Application	Suitable for use in ELISA or Lateral flow immunoassay (double antibody test for PAT detection) as well as in Western Blot. Other applications have not been tested but use in such assays should not be excluded.	
Performance review	<ul style="list-style-type: none"> • Great activity for PAT in GMO plant and recombinant PAT • Capable of creating tests with sensitivity of 5 ng/ml PAT. • Recommended pair for double antibody immunoassay: Coating: A84-Ab2; labeling: A84-Ab1 	
Store at	2-8°C. For long-term storage, freeze at -20°C.	
Precautions and Disclaimer	This product contains NaN ₃ , which has been classified as Harmful, in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent NaN ₃ build-up in drains.	
Note	Centrifuge before opening to ensure complete recovery of vial contents	
FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY, NOT FOR USE IN DIAGNOSTIC PROCEDURES		