



Specification Sheet

Antibody against CP4 EPSPS		
Product Name	CP4 EPSPs mAb1	
Catalog Number	A81-Ab1	
Lot Number		
Description	Monoclonal antibody to 5-enolpyruvylshikimate-3-phosphate synthase from soil bacterial, <i>Agrobacterium</i> sp. strain CP4 (CP4 EPSPS)	
Product Profile	Immunogen	Recombinant EPSPS from <i>Agrobacterium</i> sp. strain CP4
	Specificity	Specific for CP4 EPSPS in GMO plant (Roundup-ready soybean, etc) Specific for EPSPS from <i>Agrobacterium</i> sp. strain CP4
	Format	Liquid
	Buffer	50 mM NaCl, 20 mM PBS pH 7.4, with 0.1% NaN ₃
	Source/Clone	Mouse ascites / Monoclonal
	Subclass	IgG2a
	Purification	Protein A affinity chromatography purified
	Concentration	
	Purity	>95%
Application	Suitable for use in ELISA or Lateral flow immunoassay (double antibody test for CP4 EPSPS 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 CP4 EPSPS in GMO plant, <i>recombinant CP4 EPSPS as well as EPSPS in Agrobacterium</i> sp. strain CP4 Capable of creating tests with sensitivity of 1 ng/ml CP4 EPSPS or 0.1% (1 GMO CP4 EPSPS seed in 1000 Non-GMO seeds) Recommended pair for double antibody immunoassay: Coating: A81-Ab2; labeling: A81-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		