



Specification Sheet

Antibody against G2 EPSPS		
Product Name		G2 EPSPs mAb4
Catalog Number		A82-Ab4
Lot Number		
Description		Monoclonal antibody to 5-enolpyruvylshikimate-3-phosphate synthase from <i>Pseudomonas fluorescens</i> G2 strain,
Product Profile	Immunogen	Recombinant EPSPS from <i>Pseudomonas fluorescens</i> G2 strain
	Specificity	Specific for G2 EPSPS in GMO plant (soybean, Corn, etc) Specific for EPSPS from <i>Pseudomonas fluorescens</i> G2 strain No cross reaction with CP4 EPSPS
	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 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 G2 EPSPS in GMO plant, recombinant G2 EPSPS as well as EPSPS in <i>Pseudomonas fluorescens</i> G2 strain• Capable of creating tests with sensitivity of 1 ng/ml G2 EPSPS or 0.1% (1 GMO G2 EPSPS seed in 1000 Non-GMO seeds)• Recommended pair for double antibody immunoassay: Coating: A82-Ab4; labeling: A82-Ab3
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 PRODEDURES		

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