

Mouse EPSP synthase Monoclonal Antibody | anti-EPSP antibody

EPSP synthase antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA107255	Mouse	Specific for CP4 EPSPS in GMP plant and EPSPS from <i>Agrobacterium</i> sp. strain CP4.	Lateral Flow, ELISA

PRODUCT SYNONYMS

EPSP synthase; Monoclonal Antibody; EPSP synthase antibody; Monoclonal EPSP synthase; Anti-EPSP synthase; CP4; CP4 EPSPS; EPSPS; 5-enolpyruvylshikimate-3-phosphate (EPSP) synthase; anti-EPSP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Specific for CP4 EPSPS in GMP plant and EPSPS from <i>Agrobacterium</i> sp. strain CP4.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M1709EPSP2
Purity/Purification	> 95% pure
Form/Format	Protein A purified liquid in 50 mM NaCl, 10 mM PBS, pH 8.0 with 8.0, with 0.1% NaN ₃
Concentration	4.17 mg/mL (varies by lot)
Sequence Length	520
Applicable Applications for anti-EPSP antibody	LF (Lateral Flow), ELISA
Biological Significance	The enzyme participates in biosynthesis of the aromatic amino acids phenylalanine, tyrosine and tryptophan. The enzyme is a target for herbicides as these amino acids are only synthesized in plants and microorganisms. Glyphosate acts as a competitive inhibitor for phosphoenolpyruvate and is used as a broad-spectrum systemic herbicide.
Immunogen	Recombinant EPSPS from <i>Agrobacterium</i> sp.strain CP4.
Preparation and Storage	Store at 4°C for short term, -20°C for long term.

ADDITIONAL INFORMATION

Related Product Information for anti-EPSP antibody	Mouse monoclonal EPSP synthase antibody
Product Categories/Family for anti-EPSP antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	295790
UniProt Accession #	P05466; O22142; Q501E1
Molecular Weight	55,734 Da
NCBI Official Full Name	EPSP

UniProt Protein Name	3-phosphoshikimate 1-carboxyvinyltransferase, chloroplastic
UniProt Gene Name	At2g45300
UniProt Synonym Gene Names	EPSP synthase
UniProt Entry Name	AROA_ARATH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/monoclonal/epsp-synthase-antibody-clone-m1709epsp2-lateral-flow-elisa/107255>