

# PRODUCT SPECIFICATION

STATENS  
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INSTITUT



## HYB 337-02 Anti Mecoprop (MCP)

*Mouse monoclonal antibody*

<b>Article No.</b>	56584 (0.2 mL), 101074 (1.0 mL)									
<b>Product Name</b>	HYB 337-02 Anti Mecoprop (MCP)									
<b>Clone</b>	17C2									
<b>Subclass</b>	x IgG1 / kappa									
<b>Description</b>	<b>Preparation:</b>	Protein-A purified								
	<b>Concentration:</b>	1 mg/mL $\pm$ 10%, based on A <sub>280</sub> . See Certificate of Analysis for details.								
	<b>Solvent:</b>	PBS, pH 7.2 – 7.4								
	<b>Storage:</b>	2–8 °C								
<b>Antigen</b>	The pesticide (herbicide) Mecoprop in its stereo chemical S-configuration (S-MCP).									
<b>Immunogen</b>	Mecoprop-derivative coupled to carrier protein.									
<b>Specificity</b>	Following cross-reactivities were observed: 2,6-mecoprop (21%), 2,6-dichlorprop (10%), S-DCPP (8%), R-MCP (5%), MCPA (3%), 2,4-D (2%), 2-CPP (0.5%) and R-DCPP (0.2%).									
<b>Epitope Specificity</b>	Not determined.									
<b>Reactivity</b>	This antibody is highly reactive to surfaces coated with proteins conjugated with a Mecoprop derivative. In a competitive assay the antibody can be inhibited by ppb amounts of free Mecoprop.									
<b>Culture Medium</b>	Dulbecco's modified Eagle's medium with 10% fetal calf serum.									
<b>Fusion Partner</b>	X63-Ag8.653.									
<b>Immunization</b>	Female NMRI mice were immunized i.p. with immunogen.									
<b>Application</b>	<table><thead><tr><th>Method</th><th>Usability</th></tr></thead><tbody><tr><td>ELISA</td><td>yes</td></tr><tr><td>Immunoblotting</td><td>nd.</td></tr><tr><td>Immunofluorescence</td><td>nd.</td></tr></tbody></table>	Method	Usability	ELISA	yes	Immunoblotting	nd.	Immunofluorescence	nd.	
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### Conditions

For research use only. Not for use in diagnostic procedures. Not for therapeutic use or applications.

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