

Product datasheet

Anti-S-Mecoprop antibody [HYB337-02] ab27154

Overview

Product name	Anti-S-Mecoprop antibody [HYB337-02]
Description	Mouse monoclonal [HYB337-02] to S-Mecoprop
Host species	Mouse
Specificity	Low cross reactivity for other phenoxy herbicides such as R-MCPP, S-DCPP and R-DCPP has been observed.
Tested applications	Suitable for: ELISA
Immunogen	The herbicide Mecoprop, in its stereo chemical S configuration (S-MCPP), coupled to carrier protein.
General notes	This antibody is highly reactive to surfaces coated with proteins conjugated with the mecoprop derivative. In a competitive assay the antibody can be inhibited by ppb amounts of free Mecoprop.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: None Constituents: 0.5M Sodium chloride, 0.01M PBS, pH 7.4.
Purity	Protein A purified
Primary antibody notes	This antibody is highly reactive to surfaces coated with proteins conjugated with the mecoprop derivative. In a competitive assay the antibody can be inhibited by ppb amounts of free Mecoprop.
Clonality	Monoclonal
Clone number	HYB337-02
Myeloma	x63-Ag8.653
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab27154 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

Target

Relevance

Mecoprop is a chlorophenoxy molecule used as a herbicide. It exists as 2 different enantiomers: S-mecoprop and R-mecoprop. Chlorophenoxy herbicides are thought to be potentially carcinogenic. The unresolved isomeric mixture of this substance has the ISO common name mecoprop and the (R) isomer of this substance has the ISO common name mecoprop-P.

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