

Product no **AS20 4500****Phy | Phytochrome (clone Oat-25)****Product information**

<b>Immunogen</b>	Phytochrome
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgG
<b>Purity</b>	Immunoglobulin Protein G purified, in PBS pH 7.4, 150 mM NaCl, 0.05 % of sodium azide.
<b>Format</b>	Liquid
<b>Quantity</b>	100 µg
<b>Storage</b>	Store at -20 °C; Avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Application information**

<b>Recommended dilution</b>	assay dependent
<b>Expected   apparent MW</b>	124 kDa
<b>Confirmed reactivity</b>	<i>Avena sativa</i> , <i>Pisum sativum</i> !!AIR8!! <i>Avena sativa</i> , <i>Pisum sativum</i>
<b>Predicted reactivity</b>	graminae, fabaceae Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	Epitope recognized by this antibody is located at N-terminus of phytochrome, This domain undergoes conformational change when phytochrome is interconverted between the red and far-red absorbing forms
<b>Selected references</b>	<a href="#">Pavlovič et al. (2024)</a> . Diethyl ether anaesthesia inhibits de-etiolation of barley seedlings by locking them in intermediate skoto-photomorphogenetic state. <i>Physiol Plantarum</i> , Volume176, Issue 1. <a href="#">Pratt et al. (1988)</a> . Mapping of antigenic domains on phytochrome from etiolated <i>Avena sativa</i> L. by immunoblot analysis of proteolytically derived peptides. <i>Arch Biochem Biophys</i> . 267(2):723-35. doi: 10.1016/0003-9861(88)90081-1. <a href="#">Cordonnier et al. (1983)</a> . Production and purification of monoclonal antibodies to <i>Pisum</i> and <i>Avena</i> phytochrome. <i>Planta</i> . 158(4):369-76. doi: 10.1007/BF00397340.