

product **AS06 194**  
**GA3 | gibberellic acid**

### product information

<b>background</b>	Gibberellic Acid ( <b>GA</b> ) is a very potent plant hormone, which regulates the growth rate of plants promoting cell elongation. Gibberellic acid stimulates the cells of germinating seeds to produce mRNA molecules that code for hydrolytic enzymes. It was first discovered in Japan, in 1935 as a result of the study of a condition common in rice plants called "foolish seedling" disease, which caused the plants to grow much taller than normal.
<b>immunogen</b>	<u>BSA</u> -conjugated gibberellic acid (gibberellin A3)
<b>antibody format</b>	rat polyclonal total IgG in PBS, Phosphate 10mmol/l ; NaCl 150mmol/l lyophilized at pH 7.35
<b>quantity</b>	100 µl, for reconstitution add 50 µl, of sterile water and 50 µl of glycerol
<b>storage</b>	store lyophilized/reconstituted at -20°C; this aliquote can be freezed and thawed for up to five times and showed stability for at least 2 years. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
<b>tested applications</b>	ELISA (ELISA), immunolocalization (IL)
<b>additional information</b>	total IgG concentration is 20 mg/ml

### application information

<b>recommended dilution</b>	1: 5000 - 1: 10 000 (ELISA), 1: 100 (IL)
<b>expected   apparent MW</b>	n.a.
<b>confirmed reactivity</b>	<i>Euphorbia pulcherrima</i>
<b>predicted reactivity</b>	dicots and monocots
<b>not reactive in</b>	no confirmed exceptions from predicted reactivity known in the moment
<b>additional information</b>	for detailed immunolocalization protocol check "more information"
<b>selected references</b>	to be added when available

## application example

Immunolocalization of GA in *Euphorbia pulcherrima* Willd. Ex Klotzsch 'Lilo' floder pedicel shoots.

Primary antibody used in dilution 1: 100, secondary antibody anti-rat IgG-alkaline phosphatase-conjugate (Sigma, USA) has been used at a dilution of 1: 100. For further description of the method used please check "more information".

