

Phytodetek[®] ABA
Anti-Abscisic Acid monoclonal antibody
Catalog number: PDM 09347/0096

List of contents

Lot number	Item	96 wells
_____	Anti-ABA monoclonal antibody <i>The above items should be stored at -20° C.</i>	1 vial at 2 mg

Use by: 18 months after receiving

Applications

ELISA:

Use at assay dependant dilutions

Radioimmunoassay:

Use at assay dependant dilutions

Materials you may need

Secondary antibody:
Goat anti-mouse polyclonal antibodies

Percent (%) of Cross Reactivity

For monoclonal antibody ABA – 15 – I – C -5

Compound	Cross-Reactivity*
2- <i>cis</i> -(S)-ABA	100
2- <i>cis</i> -(S)-ABA methylester	Less than 0.1
2- <i>cis</i> -(R)-ABA	0
2- <i>trans</i> -(S)-ABA	0
2- <i>cis</i> -(S)-ABA- <i>B</i> -D-glucopyranosyl ester	0
2- <i>cis</i> -(S)-ABA- <i>cis</i> -diol	0
Phaseic acid	Less than 0.1
Dihydrophaseic acid	Less than 0.1
Xanthoxin	0
All- <i>trans</i> -Farnesol	0

*Cross reactivities determined from Tracer displacement curves at 50% displacement on molar basis.

Note: If you are trying to determine the concentration of *cis* (+) ABA when using *cis/trans* (+/-) ABA as an analytical standard the effective concentration of *cis* ABA is one half the value of *cis/trans* ABA.

For example: 10 picomoles *cis/trans* ABA is in effect 5 picomoles *cis* ABA.

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References

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- Weiler, E. W. (1984) Immunoassay of plant growth regulators. *Ann. Rev. Plant Physiol.* 35:85-95.
- Mertens, R., Deus-Neumann and E. W. Weiler. (1983) Monoclonal antibodies for the detection and quantitation of the endogenous plant growth regulator, Abscisic Acid. *FEBS Lett.* 160:269-272.
- Weiler, E. W. (1982) An enzyme-immunoassay for *cis*-(+)-Abscisic Acid. *Physiol. Plant.* 54:510-514.
- Weiler, E. W. (1981) Radioimmunoassay for pmol-quantities of Indole-3-acetic acid for use with highly stable [¹²⁵I]- and [³H] IAA derivatives as radiotracers. *Planta* 153:319-325.
- Weiler, E. W. and K. Spanier. (1981) Phytohormones in the formation of crown gall tumors. *Planta* 153:326-337.
- Weiler, E. W., Jourdan, P. S. and W. Conrad. (1981) Levels of Indole-3-acetic acid in intact and decapitated coleoptiles as determined by a specific and highly sensitive solid-phase enzyme immunoassay. *Planta* 153:561-571.
- Weiler, E. W. (1980) Radioimmunoassays for *trans*-zeatin and related cytokinins. *Planta* 149:155-162.
- Weiler, E. W. (1980) Radioimmunoassays for the differential and direct analysis of free and conjugated Abscisic Acid in plant extracts. *Planta* 148:262-272.
- Weiler, E. W. (1979) Radioimmunoassays for the determination of free and conjugated Abscisic Acid. *Planta* 144:255-263.

Technical service

If you have any questions about using this kit, please contact Agdia, Inc. Monday – Friday by phone (574-264-2014 or 1-800-622-4342) or by email (info@agdia.com).