POLYCLONAL ANTI-CONJUGATED GIBBERELLIC ACID ANTIBODIES (rat)

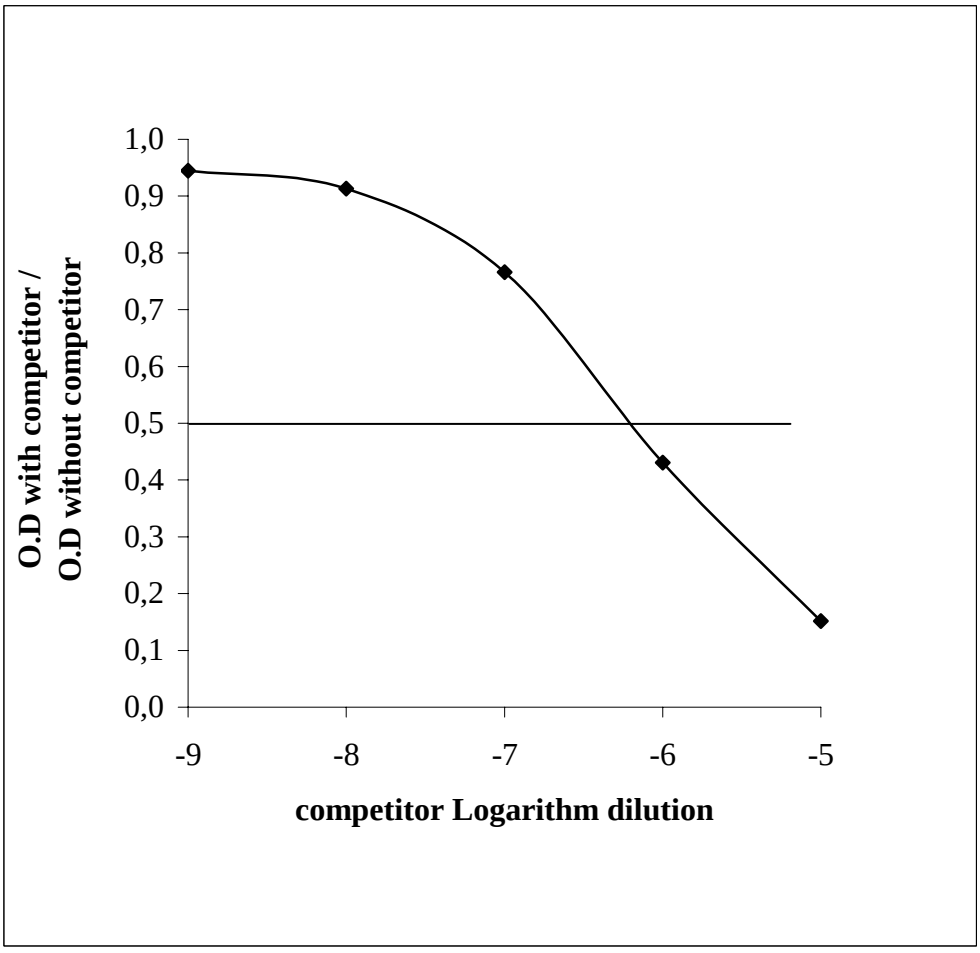
Data Sheet

*Code number : **AP119***

TARGET : Conjugated Gibberellic acid.

IMMUNOGEN : Synthetic Gibberellic acid conjugated to protein carriers.

AFFINITY : Using a conjugate Gibberellic acid-protein carrier, antibody affinity was performed with an ELISA test by competition experiments.



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RAISED IN : Rat

CLONALITY : Polyclonal

ISOTYPE : IgG

PURITY : Antiserum previously absorbed on protein carriers, and purified

FORM : Lyophilized

TESTED APPLICATIONS : ELISA

APPLICATIONS NOTES : Recommended dilutions for ELISA (1/5,000-1/10,000)

RESEARCH AREAS : Plant physiology

NOTE : Principal name Gibberellic acid or Gibberellin A_3

STORAGE INSTRUCTIONS : After reconstitution with 50µl of distilled water and 50 µl of glycerol, the aliquot can be repeated freezed (up to five times), and stable at least 2 years.

Corresponding antigen

Gemac sells the corresponding antigen:

Gibberellic acid conjugate (code number: AG119)

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EXAMPLE OF MATERIAL AND METHODS : ELISA protocol used to test conjugated Gibberellic acid

1-Coating of conjugated Gibberellic acid (10µg/ml) in maxisorp well plates (Nunc) with a solution of sodium carbonate buffer 0.05M (pH 9,6), during sixteen hours at 4°C.

2-Saturation of well plates with of a solution of PBS (pH 7,3) containing 1g/l of BSA (Acros), 10% of glycerol and 0.5% of Tween (one hour at 37°C).

3-Wash with PBS containing 0.5% of Tween (PBS Tween) (three times).

4-Preabsorbed Gibberellic acid serum will be diluted (1/5,000-1/10,000) in PBS Tween containing 1g/l BSA, and 10% of glycerol, 200µl by well plate (incubating during 2 hours at 37°C).

5-Wash with PBS Tween (three times).

6-200µl of peroxidase-labelled goat anti-rat (Jackson) diluted (1/10,000) in a solution of PBS Tween containing 1g/l of BSA, will be applied by well plate (during one hour at 37°C).

7-Well plates will be rinsed with PBS Tween (three times).

8-And finally the peroxidase will be developed by incubating 200µl by well plate of a citrate 0,1M/phosphate 0,2M (pH 5) solution containing 0.4% of OPD (Sigma) and 0.03% of hydrogen peroxide (Acros) for ten minutes in the dark, after that, we will stop the reaction by the addition of 50µl of 2M HCl.

9-The optical density will be mesured at 492nm.

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