Agrisera
Part of Thermo Fisher Scientific

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Rubisco ELISA quantitation kit

Qty: AS15 2994

AS15 2994 | Reactivity: **Rubisco protein**

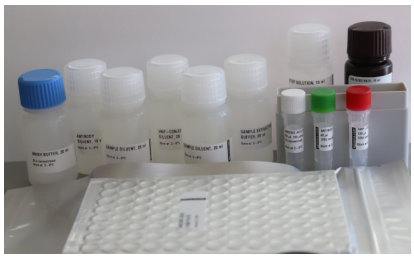
This set enables quantification of Rubisco using ELISA in samples from a range of various species.

Price: 1050 €

Background | This ELISA immunoassay utilize the principle of competitive inhibition for quantitative determination of endogenous Ribulose-1,5-bisphosphate carboxylase/oxygenase (RuBisCO) in plant tissues.

Rubisco antigen is pre-coated on the surface of the micro titer plate. Standards or samples are added to the plate wells including an antibody specific for Rubisco. The reaction of competitive inhibition is initiated between the pre-coated Rubisco and Rubisco in the samples with the antibody. A goat anti-rabbit IgG, HRP-conjugated, antibody is added followed by a substrate solution and the color develops which is inversely proportional to the amount of Rubisco in the sample. The intensity of the color is measured after reaction is is stopped.

This Rubisco ELISA kit contains the following reagents:
Assay plate: 1x (96 wells)
Standards: 2 x 500 µl
Antibody: 1 x 60 µl (100 x concentrate)
HRP-conjugate: 1 x 120 µl (100 x concentrate)
Antibody Diluent: 1 x 10 ml
HRP-conjugate Diluent: 1 x 20 ml
Sample Diluent: 2 x 20 ml
Sample Extraction Buffer: 1 x 20 ml (25 x concentrate)
Washing Buffer: 1 x 20 ml (25 x concentrate)
TMB Substrate: 1 x 10 ml (store in the dark)
Stop Solution: 1 x 10 ml (contains acid, wear eye, hand, face and clothing protection)
Adhesive Strip: 4x (for 96 wells)



This kit is for research purpose only. Proclin 300 is used as preservative, in concentration <1 %.

Storage: Store at 2-8°C. Opened kit can be stored at 2-8°C for maximum of 1 month.

Expiry date: Kit should not be used beyond expiry date.

Detection range: 3.12-800 µg/ml

Specificity/Sensitivity: High specificity and sensitivity for plant Rubisco. No significant cross reactivity has been observed.

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Manual in Pdf

Related products

AS03 037 | RbcL | Rubisco large subunit, form I and form II (50 µl)
AS03 037A | anti-RbcL | Rubisco large subunit, form I and form II (50 µg affinity purified)
AS03 037-HRP| anti-RbcL | Rubisco large subunit, form I and form II (40 µg, HRP-conjugated)

AS15 2955 | anti-RbcL II | Rubisco large subunit, form II (50 µl), rabbit antibody
AS15 2955S | RbcL II | Rubisco form II positive control/quantitation standard

AS01 017 | anti-RbcL | Rubisco large subunit, form I, chicken antibody
AS01 017S | Rubisco protein standard for quantitative western blot or positive control

AS09 409 | Rubisco quantitation kit

AS07 218 | anti-Rubisco | 557 kDa hexadecamer, rabbit antibody to a whole protein

AS07 259 | anti-RbcS | Rubisco small subunit (SSU), rabbit antibody
AS07 222 | anti-RbcS | Rubisco small subunit (SSU) from pea, rabbit antibody

None of anti-Rubisco antibodies listed above is included in this ELISA kit.

matching secondary antibody