

Plant Ribulose-1, 5-bisphosphate carboxylase/oxygenase (RuBisCO) ELISA Kit | RuBisCO elisa kit

Plant Ribulose-1, 5-bisphosphate carboxylase/oxygenase, RuBisCO ELISA Kit

CATALOG # AAA15811	REACTIVITY Plant
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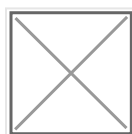
PRODUCT SYNONYMS

Ribulose-1; 5-bisphosphate carboxylase/oxygenase (RuBisCO); Plant Ribulose-1; 5-bisphosphate carboxylase/oxygenase; RuBisCO ELISA Kit; 5-bisphosphate carboxylase/oxygenase (RuBisCO) ELISA Kit; RuBisCO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Plant
Specificity	This assay has high sensitivity and excellent specificity for detection of plant RuBisCO. No significant cross-reactivity or interference between plant RuBisCO and analogues was observed.
Sequence Length	484
Assay Type	Competitive
Samples	Plant tissues
Detection Range	3.12 ug/ml-800 ug/ml
Sensitivity	< 3.12 ug/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<10%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<20%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RuBisCO elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with antigen. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for RuBisCO. The competitive inhibition reaction is launched between with pre-coated RuBisCO and RuBisCO in samples with the antibody. Then add a Horseradish Peroxidase (HRP) conjugated goat-anti-rabbit IgG antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of RuBisCO in the sample. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	573461959
UniProt Accession #	W0UQ92
Molecular Weight	53,698 Da
NCBI Official Full Name	ribulose-1 (chloroplast)
UniProt Protein Name	Ribulose biphosphate carboxylase large chain
UniProt Gene Name	rbcl
UniProt Synonym Gene Names	RuBisCO large subunit
UniProt Entry Name	W0UQ92_SALMI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/plant-elisa-kits/ribulose-1-5-bisphosphate-carboxylase-oxygenase-rubisco/15811>