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## Product Datasheet

### RbcL II | Rubisco form II positive control/quantitation standard AGR-AS15-2955S

Article Name	RbcL II   Rubisco form II positive control/quantitation standard
Biozol Catalog Number	AGR-AS15-2955S
Supplier Catalog Number	AS15-2955S
Alternative Catalog Number	AGR-AS15-2955S
Manufacturer	Agrisera
Category	Sonstiges
Application	WB
Product Description	Rubisco (Ribulose-1,5-bisphosphate carboxylase/oxygenase) catalyzes the rate-limiting step of CO <sub>2</sub> fixation in photosynthetic organisms. Form II Rubisco is present in many photosynthetic bacteria and archaea and in some photosynthetic dinoflagellates....
Molecular Weight	52.7 kDa
Form	Lyophilized in glycerol.
Antibody Type	Secondary Antibody
Application Dilute	Standard curve: 3 loads are recommended (0.5, 2 and 4 µl).For most applications a sample load of 0.2 µg of chlorophyll/well will give a RbcL signal in this range.Positive control: a 2 µl load per well is optimal for most chemiluminescent detection systems

Application Notes

Concentration: after re-constitution with sterile milliQ water final concentration of the standard is 0.15 pmoles/ $\mu$ l  
Protein standard buffer composition: Glycerol 10%, Tris Base 141 mM, Tris HCl 106 mM, LDS 2%, EDTA 0.51 mM, SERVA Blue G250 0.22 mM, Phenol Red 0.175 mM, pH 8.5, 0.1 mg/ml PefaBloc protease inhibitor (Roche), 50 mM DTT. This standard is ready-to-load and does not require any additions or heating. It needs to be fully thawed and thoroughly mixed prior to using. Avoid vigorous vortexing, as buffers contain detergent. Following mixing, briefly pulse in a microcentrifuge to collect material from cap. This standard is stabilized and ready and does not require heating before loading on the gel. Please note that this product contains 10% glycerol and might appear as liquid but is provided lyophilized. Allow the product several minutes to solubilize after adding water. Mix thoroughly but gently. Take extra care to mix thoroughly before each use, as the proteins tend to settle with the more dense layer after freezing. Please, use the 55 kDa size of Rbcl for calculations. The pmoles in the standard refer to pmoles of rbcl monomers.