

# Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

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Product no **AS18 4227**

## GFP | Green fluorescent protein (VENUS)

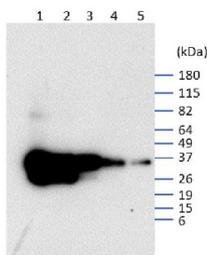
### Product information

<b>Immunogen</b>	Full length, recombinat VENUS protein, expressed in <i>E.coli</i> , UniProt: <a href="#">P42212</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Affinity purified serum, in PBS pH 7.4
<b>Format</b>	Lyophilized Liquid
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl, of sterile water.
<b>Storage</b>	Lyophilized antibody can be stored at -20°C for up to 3 years. Once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

### Application information

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	26 kDa
<b>Confirmed reactivity</b>	cell lysate overexpressing Venus protein fusion
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known

#### Application example



200 ng mVenus YFP protein (1); 100 ng mVenus YFP protein (2) ; 49 ng mVenus YFP protein (3) ; 24 ng mVenus YFP protein (4) ; 12 ng mVenus YFP protein (5)

MW markers: BenchMark™ Pre-stained Protein Ladder (10748010)

>0.200 – 0.012 µg of total protein from a pure stock of mVenus YFP protein in 1x SIGMAFAST EDTA-free Protease Inhibitor (S8830-2TAB) and denatured with 1x reducing Laemmli SDS buffer at 90°C for 10 min, and insoluble material pelleted at 20,000 xg for 15 min. Samples were run to separation on a 4-12% SDS-PAGE gel and blotted 7 mins to PVDF using ThermoFisher iBlot high voltage Protocol 3. Blot was blocked with 7.5 % milk in TBS-T for 20mins/RT with agitation. Blot was incubated in the primary antibody (i.e. Rabbit anti-Venus IgG) at a dilution of 1:10 000 with 7.5 % milk in TBS-T ON/4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly three times, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was blocked with 7.5 % milk in TBS-T for 20mins/RT. Blot was then incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in TBS-T for 2.5h/RT with agitation. The blot was washed as above, then as above with TBS, and developed for 5 min with chemiluminescent detection reagent, according to manufacture's instruction.

Exposure time was approximately 3 seconds.

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Courtesy of Dr. Dr Nanakow Baiden at Rothamsted Research, UK