

Product no **AS11 1772****Goat anti-Mouse IgG (H&L), HRP conjugated****Product information****Immunogen** Purified mouse IgG (H&L), whole molecule, [AAA51107](#)**Host** Goat**Clonality** Polyclonal**Purity** Immunogen affinity purified goat IgG.**Format** Lyophilized**Quantity** 1 mg**Reconstitution** For reconstitution add 1.1 ml of sterile water. Let it stand 30 minutes at room temperature to dissolve. Centrifuge to remove any particulates. Prepare fresh working dilutions daily.**Storage** Store lyophilized material at 2-8 °C. For long time storage after reconstitution, dilute the antibody solution with glycerol to a final concentration of 50% glycerol and store as liquid at -20 °C, to prevent loss of enzymatic activity. For example, if you have reconstituted 1 mg of antibody in 1.1 ml of sterile water add 1.1 ml of glycerol. Such solution will not freeze in -20 °C. If you are using a 1:5000 dilution prior to diluting with glycerol, then you would need to use a 1:2500 dilution after adding glycerol. Prepare working dilution prior to use and then discard. Be sure to mix well but without foaming.**Additional information** Concentration: 1.0 mg/ml. Purity of this preparation is > 95% based on SDS-PAGE. Antibody concentration is 1.0 mg/ml. Antibody is supplied in 10 mM sodium phosphate, 0.15 M sodium chloride, pH 7.2.1 % (w/v) B, Protease/IgG free. Contains 0.1 % (v/v) ProClin 150 as preservative of bacterial growth.

The antibody will detect all isotypes of mouse IgG.

**Application information****Recommended dilution** The optimal working dilution should be determined by the investigator**Confirmed reactivity** Heavy chains on mouse IgG and light chains on all mouse immunoglobulins**Not reactive in** Non-immunoglobulin mouse serum proteins

**Selected references**

[Hemmel](#) et al. (2024). Optimized transgene expression in the red alga *Porphyridium purpureum* and efficient recombinant protein secretion into the culture medium. *Plant Mol Biol.* 2024 Feb 14;114(1):18. doi: 10.1007/s11103-024-01415-2.

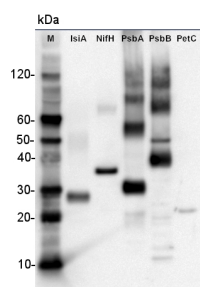
[Chung](#) et al. (2023). An RNA thermometer in the chloroplast genome of *Chlamydomonas facilitates* temperature-controlled gene expression. *Nucleic Acids Res.* 2023 Nov 10;51(20):11386-11400. doi: 10.1093/nar/gkad816.

[Kasari](#) et al. (2019). A role for the *Saccharomyces cerevisiae* ABCF protein New1 in translation termination/recycling. *Nucleic Acids Res.* 2019 Jul 12. pii: gkz600. doi: 10.1093/nar/gkz600.

[Li](#) and Bock (2018). Replication of bacterial plasmids in the nucleus of the red alga *Porphyridium purpureum*. *Nat Commun.* 2018 Aug 27;9(1):3451. doi: 10.1038/s41467-018-05651-1.

[Shin](#) et al. (2017). Complementation of a mutation in CpSRP43 causing partial truncation of light-harvesting chlorophyll antenna in *Chlorella vulgaris*. *Sci Rep.* 2017 Dec 20;7(1):17929. doi: 10.1038/s41598-017-18221-0.

[Dmitrović](#) et al. (2015). Essential oils of two *Nepeta* species inhibit growth and induce oxidative stress in ragweed (*Ambrosia artemisiifolia* L.) shoots in vitro. *Acta Physiologiae Plantarum*, February 2015, 37:64.

**application example**

**500 femtomoles of His-tagged proteins IsIA, NifH, PsbA, PsbB and PetC** were loaded per gel well in Agrisera PEB extraction buffer. Proteins were separated on **4-12 % NuPAGE PAGE Bis-Tris** polyacrylamide gel (Invitrogen) and blotted 1h to **PVDF**. Blots were blocked with for 1h at

room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1 : 1 000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (goat, anti-mouse IgG horse radish peroxidase conjugated, from Agrisera [AS11.1772](#)) diluted to 1:25 000 in 2 % ECL Advance blocking reagent for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturers instructions. Exposure time was 5 seconds.

Apparent molecular weight of recombinant proteins: IsiA - 27 kDa, NifH - 34 kDa, PsbA - 30-37 kDa, PsbB - 40 kDa, PetC - 23 kDa.