

Product no **AS09 627****Rabbit anti-Mouse IgG (H&L), HRP conjugated****Product information**

Immunogen	Purified Mouse IgG, whole molecule
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified rabbit 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, 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 (E 1% at 280 nm = 13.0) HRP-conjugate is supplied in 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free 0.1 % (v/v) of Kathon CG is used as preservative.

Application information

Recommended dilution	1 : 10 000 -1 : 50 000 (ELISA), 1 : 500 -1 : 5000 (IHC), 1 : 5 000 (WB)
Confirmed reactivity	Mouse IgG heavy and light chains (H&L)
Predicted reactivity	Mouse IgG Heavy and Light chains (H&L)
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	No reactivity is observed to non-immunoglobulin mouse serum proteins based in immunoelectrophoresis
Selected references	Vitale et al. (2021) Light Spectral Composition Influences Structural and Eco-Physiological Traits of <i>Solanum lycopersicum</i> L. cv. 'Microtom' in Response to High-LET Ionizing Radiation. <i>Plants (Basel)</i> . 2021 Aug 23;10(8):1752. doi: 10.3390/plants10081752. PMID: 34451797; PMCID: PMC8399554. Bui et al. (2020) . Differential submergence tolerance between juvenile and adult <i>Arabidopsis</i> plants involves the ANAC017 transcription factor. doi.org/10.1101/2020.02.12.945923 BioRxiv. Koch et al. (2019) . Heat stress directly impairs gut integrity and recruits distinct immune cell populations into the bovine intestine. <i>Proc Natl Acad Sci U S A</i> . 2019 May 21;116(21):10333-10338. doi: 10.1073/pnas.1820130116.



10 µg/well of total protein extracted freshly from *Arabidopsis thaliana* leaf tissue. All lanes shown are from different *Arabidopsis thaliana* leaf samples extracted simultaneously. Fresh leaf tissue was ground up directly in 1x Bolt LDS loading buffer (Thermo) and 200mM DTT and denatured at 80 °C for 10 min. Samples were separated on 12% SDS-PAGE gel and transferred to nitrocellulose by wet transfer for 1hr at 100V. Blot was blocked with 5 % milk in TBST for 1h/RT with agitation. Blot was incubated with Agrisera Mouse anti-actin monoclonal (AS21 4615) at a dilution of 1:1000, in 5% milk with agitation at 1h RT. The blot was rinsed 3 times for 5 minutes in TBS-T with agitation. Then the membrane was incubated with secondary anti-mouse HRP (Agrisera AS09 627) at 1:10 000 dilution in milk for 1hr at room temp. The blots were washed as above and reaction was visualized using ECL reagent and following manufacture's recommendations. The actin band was visualized after 15 seconds of film exposure.