

Product no **AS10 1187****Goat anti-Rat IgG (H&L), HRP conjugated****Product information**

Host	Goat
Clonality	Polyclonal
Purity	Immunogen affinity purified rat 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. Store liquid material at 2-8°C up to 6 months.
Additional information	Concentration: 1.0 mg/ml (E 1% at 280 nm = 13.0) Antibody is supplied in 10 mM sodium phosphate, 150 mM sodium chloride, pH 7.2, 10 % (w/v) BSA, Protease/IgG free and 0.1 % (v/v) Kathon CG as preservative.

Application information

Recommended dilution	The optimal working dilution should be determined by the investigator
Confirmed reactivity	Heavy chains on rat IgG and with the light chains on all rat immunoglobulins
Not reactive in	Non-immunoglobulin rat serum proteins
Selected references	Saintenac et al. (2021) A wheat cysteine-rich receptor-like kinase confers broad-spectrum resistance against Septoria tritici blotch. Nat Commun. 2021 Jan 19;12(1):433. doi: 10.1038/s41467-020-20685-0. PMID: 33469010; PMCID: PMC7815785.