

Store at -20C
#7076

Anti-mouse IgG, HRP-linked Antibody



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For Research Use Only. Not For Use In Diagnostic Procedures.

Source/Isotype:
Horse

Product Usage Information

Recommended Antibody Dilutions:

1:1000–1:3000

20X LumiGLO® Reagent and 20X Peroxide #7003 1:1K–1:3K

SignalFire™ ECL Reagent #6883 1:1K–1:3K

SignalFire™ Plus ECL Reagent #12630 1:5K-1:15K

SignalFire™ Elite ECL Reagent #12757 1:10K-1:20K

Storage

Supplied in 10mM sodium HEPES (pH 7.5), 150 mM NaCl, 2 mg/ml bovine serum albumin (BSA) and 50% glycerol. Store at -20°C. Do not aliquot the antibodies.

Product Description

Affinity purified horse anti-mouse IgG (heavy and light chain) antibody is conjugated to horseradish peroxidase (HRP) for chemiluminescent detection. This product is thoroughly validated with CST primary antibodies and will work optimally with the CST western immunoblotting protocol, ensuring accurate and reproducible results.

Background

Chemiluminescence systems have emerged as the best all-around method for western blot detection. They eliminate the hazards associated with radioactive materials and toxic chromogenic substrates. The speed and sensitivity of these methods are unequalled by traditional alternatives, and because results are generated on film, it is possible to record and store data permanently. Blots detected with chemiluminescent methods are easily stripped for subsequent reprobing with additional antibodies. HRP-conjugated secondary antibodies are utilized in conjunction with specific chemiluminescent substrates to generate the light signal. HRP conjugates have a very high turnover rate, yielding good sensitivity with short reaction times.

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

IMPORTANT: For primary antibodies recommended for western blotting applications, we recommend incubating the membrane with diluted antibody at 4°C with gentle shaking overnight. Please refer to the western blot protocol found on the product web page for the antibody-specific diluent recommendation.

APPLICATIONS KEY WB: Western Blot IP: Immunoprecipitation IHC: Immunohistochemistry ChIP: Chromatin Immunoprecipitation IF: Immunofluorescence F: Flow Cytometry E-P: ELISA-Peptide

CROSS-REACTIVITY KEY H: human M: mouse R: rat Hm: hamster Mk: monkey Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse All: all species expected

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