

Product DataSheet

Goat Anti-Mouse IgG Antibody (H&L) HRP (Z8001)

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.

Product information

Catalog Number: Z8001

Lot Number: Refer to vial

Formulation: Liquid

Size: 100ul/500ul

Storage: Store at -20°C. Be protected from light and avoid repeated freeze / thaw cycles

Note: Contains sodium azide

Properties

Purity: Affinity purified using solid phase mouse IgG (H&L) with finally > 95% purity based on SDS-PAGE.

Specificity: The antibody reacts with whole molecule mouse IgG. It also reacts with heavy chains of mouse IgG, and light chains of all other mouse immunoglobulins. It has no reactivity on non-immunoglobulin serum proteins, while it may cross-react with immunoglobulins from other species.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting 1:3000-1:20000 dilutions for most applications(WB).

WB:1/3000-1/20000

IHC:1/100-1/2000

ELISA : 1/5000-1/10000

Storage Buffer: 0.01M Sodium Phosphate, 0.25M NaCl, 50% Glycerol pH 7.4.

Stabilizer: 1% Bovine Serum Albumin (IgG and Protease Free).

Preservative: 0.05% (w/v) Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

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