

Mouse IgG (H&L) HRP-conjugated Antibody

Catalog Number: EXAB001

Size: 400 ug

For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

EXREprotein™

info@exreprotein.com

Product Details

| | | |
|----------------------|---|-----------------------------------|
| Source | Polyclonal Goat IgG | |
| Specificity | Detects mouse IgG heavy and light chains. | |
| Immunogen | Mouse IgG | |
| Purification | Antigen affinity chromatography | |
| Formulation | PBS containing 0.5% BSA, 0.02% sodium azide as a preservative and 50% glycerol. | |
| Concentration | 4 mg/mL | |
| Applications | Western blot | 1:5200-20000 recommended dilution |
| | Immunohistochemistry | 1:500-2000 recommended dilution |
| | ELISA | 1:5000-20000 recommended dilution |

For optimal performance, this reagent should be titrated for each application.

Storage and Preparation

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| Shipping | Shipped with blue ice. |
| Stability and Storage | 12 months from date of receipt at -15°C to -25°C. |

Background

Secondary antibodies are generated against the immunoglobulins of specific species. The secondary antibodies are used as a detection system by binding to primary antibodies that are directly bound to a target antigen. They are commonly used in various applications due to their ability to amplify signal and improve detection sensitivity. Secondary antibodies are conjugated to molecules that facilitate signal generation in the detection system.

Horseradish peroxidase (HRP) is an enzyme derived from the root of the horseradish plant. It is commonly used as a reporter enzyme in various biochemical assays due to its ability to catalyze the oxidation of chromogenic, chemiluminescent, or fluorogenic substrates resulting in a detectable signal. When conjugated to secondary antibodies, HRP enables the visualization of target proteins or antigens.