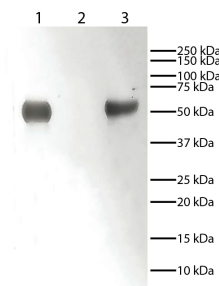




Mouse Anti-Rabbit IgG

| Cat. No. | Format | Size |
|----------|------------------------------|--------|
| 4090-01 | Purified (UNLB) | 0.5 mg |
| 4090-02 | Fluorescein (FITC) | 0.5 mg |
| 4090-04 | Alkaline Phosphatase (AP) | 1.0 mL |
| 4090-05 | Horseradish Peroxidase (HRP) | 1.0 mL |
| 4090-08 | Biotin (BIOT) | 0.5 mg |
| 4090-09 | R-phycoerythrin (PE) | 0.1 mg |
| 4090-13 | Spectral Red® (SPRD) | 0.1 mg |
| 4090-32 | Alexa Fluor® 555 (AF555) | 0.1 mg |



Lane 1 - Rabbit IgG
Lane 2 - Rabbit IgG Light Chains
Lane 3 - Rabbit IgG Heavy Chains

Rabbit immunoglobulins above were resolved by electrophoresis under reducing conditions, transferred to PVDF membrane, and probed with Mouse Anti-Rabbit IgG-HRP (SB Cat. No. 4090-05). Proteins were visualized using chemiluminescent detection.

Overview

| | |
|--------------------|--|
| Clone | 2A9 |
| Isotype | Mouse (BALB/c) IgG ₁ κ |
| Immunogen | Recombinant rabbit IgG Fc fragment |
| Specificity | Rabbit IgG Fc |
| | Minimal reactivity to human, mouse, rat, goat, bovine, horse, donkey, sheep, guinea pig, and chicken serum |

Applications

ELISA – Quality tested ¹⁻³
 FLISA – Quality tested
 FC – Quality tested ^{4,5}
 IHC-PS – Reported in literature ⁶
 WB – Reported in literature ⁷

Working Dilutions

| | | |
|---------------------------|--|--------------------------------|
| ELISA | AP conjugate | 1:1,000 – 1:2,000 |
| | HRP conjugate | 1:4,000 – 1:8,000 |
| | BIOT conjugate | 1:5,000 – 1:20,000 |
| FLISA | FITC and AF555 conjugates | 1:200 – 1:400 |
| | PE conjugate | ≤ 1 µg/mL |
| Flow Cytometry | FITC conjugate | ≤ 3 µg/10 ⁶ cells |
| | PE and SPRD conjugates | ≤ 0.3 µg/10 ⁶ cells |
| | For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL | |
| Other Applications | Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need. | |

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

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution in 50 mM Tris/1 mM MgCl₂/50% glycerol, pH 8.0, containing NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red[®] (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor[®] 555 (AF555) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

1. Zolla-Pazner S, Powell R, Yahyaie S, Williams C, Jiang X, Li W, et al. Rationally designed vaccines targeting the V2 region of HIV-1 gp120 induce a focused, cross-clade-reactive, biologically functional antibody response. *J Virol.* 2016;90:10993-11006. (ELISA)
2. Yamamoto M, Takahashi T, Serada S, Sugase T, Tanaka K, Miyazaki Y, et al. Overexpression of leucine-rich α 2-glycoprotein-1 is a prognostic marker and enhances tumor migration in gastric cancer. *Cancer Sci.* 2017;108:2052-60. (ELISA)
3. Totrov M, Jiang X, Pan R, Zolla-Pazner S, Kong X, inventors; New York University, Molsoft LLC, Ichan School of Medicine at Mount Sinai, assignees. Immunogenic polypeptides. United States patent application publication US 2018/0071400 A1. 2018 Mar 15. (ELISA)
4. Melcher M, Muhle RA, Henrich PP, Kraemer SM, Avril M, Vigan-Womas I, et al. Identification of a role for the PfEMP1 semi-conserved head structure in protein trafficking to the surface of Plasmodium falciparum infected red blood cells. *Cell Microbiol.* 2010;12:1446-62. (FC)
5. Starkie DO, Compson JE, Rapecki S, Lightwood DJ. Generation of recombinant monoclonal antibodies from immunised mice and rabbits via flow cytometry and sorting of antigen-specific IgG⁺ memory B cells. *PLoS One.* 2016;11(3):e0152282. (FC)
6. Galles DP. Importância da relação dos ácidos graxos omega-6-omega-3 na alimentação [thesis]. São Paulo (Brazil): University of São Paulo; 2015. (IHC-PS)
7. Hu C, Gong R, Guo A, Chen H. Protective effect of ligand-binding domain of fibronectin-binding protein on mastitis induced by Staphylococcus aureus in mice. *Vaccine.* 2010;28:4038-44. (WB)
8. Cederquist KB, Liu B, Grima MR, Dalack PJ, Mahorn JT. Laser-fabricated gold nanoparticles for lateral flow immunoassays. *Colloids Surf B Biointerfaces.* 2017;149:351-7.

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