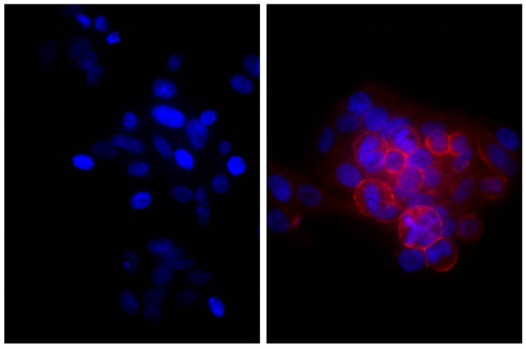
# SouthernBiotech

## Goat Anti-Mouse Ig, Human ads

| Cat. No. | Format | Size |
|---|---|---|
| 1010-01 | Purified (UNLB) | 2.0 mg |
| 1010-02 | Fluorescein (FITC) | 1.0 mg |
| 1010-03 | Rhodamine (TRITC) | 1.0 mg |
| 1010-04 | Alkaline Phosphatase (AP) | 1.0 mL |
| 1010-05 | Horseradish Peroxidase (HRP) | 1.0 mL |
| 1010-06 | β-galactosidase (BGAL) | 1.0 mL |
| 1010-07 | Texas Red® (TXRD) | 1.0 mg |
| 1010-08 | Biotin (BIOT) | 1.0 mg |
| 1010-09 | R-phycoerythrin (PE) | 0.5 mg |
| 1010-09S | R-phycoerythrin (PE) | 0.25 mg |
| 1010-30 | Alexa Fluor® 488 (AF488) | 1.0 mg |
| 1010-31 | Alexa Fluor® 647 (AF647) | 1.0 mg |
| 1010-32 | Alexa Fluor® 555 (AF555) | 1.0 mg |



Human epithelial carcinoma cell line HEp-2 was stained with Mouse Anti-Human CD44-UNLB (SB Cat. No. 9400-01; right) followed by Goat Anti-Mouse Ig, Human ads-TRITC (SB Cat. No. 1010-03) and DAPI.

## Description

| | |
|---|---|
| **Specificity** | Reacts with the heavy and light chains of mouse $IgG_1$, $IgG_{2a}$, $IgG_{2b}$, $IgG_{2c}$, $IgG_3$, IgM, and IgA |
| **Source** | Pooled antisera from goats hyperimmunized with mouse IgG, IgM, and IgA |
| **Cross Adsorption** | Human immunoglobulins and pooled sera; may react with immunoglobulins from other species |
| **Purification** | Affinity chromatography on mouse IgG, IgM, and IgA covalently linked to agarose |

## Applications

Quality tested applications include –

ELISA [1-10]
FLISA
FC [15-18]

Other referenced applications include –

ELISPOT [4,11-14]
IHC-FS [19]
IHC-PS [29]
ICC [11,20-23]
WB [24-28]
Sep [30-32]

## Working Dilutions

| | | |
|---|---|---|
| **ELISA** | AP conjugate | 1:2,000 – 1:4,000 |
| | HRP conjugate | 1:4,000 – 1:8,000 |
| | BGAL conjugate | 1:500 |
| | BIOT conjugate | 1:5,000 – 1:20,000 |
| **FLISA** | FITC, TRITC, TXRD, AF488, and AF555 conjugates | 1:100 – 1:400 |
| | PE and AF647 conjugates | ≤ 1 μg/mL |
| **Flow Cytometry** | FITC, BIOT, and AF488 conjugates | ≤ 1 μg/$10^6$ cells |
| | PE and AF647 conjugates | ≤ 0.1 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.***

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## Handling and Storage

- The purified (UNLB) antibody is supplied as 2.0 mg purified immunoglobulin in 2.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added*. Store at 2-8°C.
- The fluorescein (FITC), rhodamine (TRITC), Texas Red® (TXRD), Alexa Fluor® 488 (AF488), Alexa Fluor® 555 (AF555), and Alexa Fluor® 647 (AF647) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/$NaN_3$. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM $MgCl_2$/50% glycerol, pH 8.0, containing $NaN_3$ 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 of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The β-galactosidase (BGAL) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS containing $NaN_3$ as preservative. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 1.0 mg in 2.0 mL of PBS/$NaN_3$. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 mL or 0.25 mg in 0.5 mL of PBS/$NaN_3$ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- 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


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