SouthernBiotech

Goat Anti-Mouse IgM (μ chain specific)

Cat. No.	Form	Quantity
1021-01	Purified (UNLB) Antibody	1.0 mg
1021-02	Fluorescein (FITC) Conjugate	1.0 mg
1021-03	Rhodamine (TRITC) Conjugate	1.0 mg
1021-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
1021-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
1021-07	Texas Red® (TXRD) Conjugate	1.0 mg
1021-08	Biotin (BIOT) Conjugate	1.0 mg
1021-09	R-phycoerythrin (PE) Conjugate	0.5 mg
1021-09S	R-phycoerythrin (PE) Conjugate	0.25 mg
1021-30	Alexa Fluor® 488 (AF488) Conjugate	1.0 mg
1021-31	Alexa Fluor® 647 (AF647) Conjugate	1.0 mg
1021-32	Alexa Fluor® 555 (AF555) Conjugate	1.0 mg

DESCRIPTION

Source	Pooled antisera from goats hyperimmunized with mouse IgM paraproteins
Cross Adsorption	Mouse IgG_1, IgG_{2a}, IgG_{2b}, IgG_3, and IgA
Purification	Affinity chromatography on mouse IgM covalently linked to agarose
Specificity	Reacts with the heavy chain of mouse IgM as demonstrated by ELISA, FLISA, and/or flow cytometry

RESEARCH APPLICATIONS

- Direct immunofluorescent staining of IgM^+ mouse B lymphocytes
- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Fluorescent-Linked-Immunosorbent-Assay (FLISA)
- Immunoblotting

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested by ELISA, FLISA, and/or flow cytometry to conform to characteristics of a standard reference reagent.

WORKING DILUTIONS

Flow Cytometry	FITC,BIOT, and AF488 conjugates	$\leq$ 1 μg/10^6 cells
	PE and AF647 conjugates	$\leq$ 0.1 μg/10^6 cells
FLISA	TRITC, TXRD, and AF555 conjugates	1:100 – 1:400
ELISA	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:20,000
Other Applications	Since applications vary, you should determine the optimum working dilution of 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 1.0 mg 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), 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 PBS/NaN_3. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50mM Tris/1mM $MgCl_2$/50% Glycerol, pH 8.0, containing 0.1% 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 of 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 1.0 mg in 2.0 mL 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

Reagents contain sodium azide which is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.