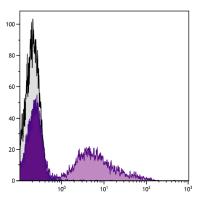
# SouthernBiotech 📲



# Mouse Anti-Rabbit RLA-DQ

Cat. No.	Format	Size
4080-01	Purified (UNLB)	0.5 mg
4080-02	Fluorescein (FITC)	0.5 mg
4080-08	Biotin (BIOT)	0.5 mg
4080-09	R-phycoerythrin (PE)	0.1 mg



Rabbit peripheral blood lymphocytes were stained with Mouse Anti-Rabbit RLA-DQ-BIOT (SB Cat. No. 4080-08) followed by Streptavidin-FITC (SB Cat. No. 7100-02).

#### **Overview**

Clone	2C4
lsotype	Mouse (BALB/c) IgG <sub>2a</sub> κ
Immunogen	Rabbit spleen cells
Specificity	Rabbit RLA-DQ
Alternate Name(s)	MHC Class II, leukocyte antigen

#### **Description**

The monoclonal antibody 2C4 reacts with RLA-DQ-transfected cells, but not with RLA-DR-transfected cells. In normal adult rabbits, the antibody reacts with 30-60% of peripheral blood leukocytes. It has also been reported that the antibody stains lymphocytes and macrophages in the spleen, lymphocytes in the thymic medulla and some cells in the cortex, Kupffer cells in the liver, and synovial lining cells (e.g., infiltrating macrophages) in inflamed synovium. DQ $\alpha$  transcripts have been detected in bone marrow and spleen and to a lesser extent in appendix, lymph nodes, and other organs.

## **Applications**

FC – Quality tested <sup>1-11</sup> IHC-FS – Reported in literature <sup>22</sup> IHC-PS – Reported in literature <sup>22</sup> IHC-WM – Reported in literature <sup>21</sup> ICC – Reported in literature <sup>7</sup> ELISA – Reported in literature <sup>7</sup> WB – Reported in literature <sup>24</sup> IP – Reported in literature <sup>1,25,26</sup> Block – Reported in literature <sup>1,26</sup>

## **Working Dilutions**

Flow Cytometry	FITC and BIOT conjugates PE conjugate For flow cytometry, the suggested use of these reagents is in a f	$\leq$ 1 μg/10 <sup>6</sup> cells $\leq$ 0.2 μg/10 <sup>6</sup> cells inal 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/NaN<sub>3</sub>. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> 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.

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