



CELL LAB Mouse Anti-Mouse Qa-2

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
732492	Purified (UNLB) Antibody	0.5 mg
732493	Fluorescein (FITC) Conjugate	0.5 mg
734728	Biotin (BIOT) Conjugate	0.5 mg
734734	Phycoerythrin (PE) Conjugate	0.1 mg

For Laboratory Use Only

DESCRIPTION

Clone: 695H1-9-9
Isotype: Mouse (C3H/KBR) IgG2a κ
Immunogen: C3H.SW mouse skin graft and splenocytes¹
Specificity: Qa-2 alloantigen

The 695H1-9-9 antibody reacts with a Qa-2-determined alloantigen. It recognizes an epitope distinct from that recognized by monoclonal antibody 1-1-2.

APPLICATIONS

- Flow cytometry
- Complement-mediated cytotoxicity
- Modulation of Qa-2 expression from peripheral T lymphocytes²

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using flow cytometry.

WORKING DILUTIONS

Flow Cytometry:	Purified antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	BIOT conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	PE conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells

Other Applications: Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.0. No preservatives or amine-containing buffer salts added.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃.
- The phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent.
- Protect fluorochrome-conjugated forms from light. Do not freeze.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Minimize exposure of reagent to light during storage or incubation.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use Good Laboratory Practice (GLP) when handling this reagent.
7. Harmful if swallowed.
8. After contact with skin, wash immediately with plenty of water.
9. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

TRADEMARKS

The Beckman Coulter logo is a trademark of Beckman Coulter, Inc.

For additional information or if damaged product is received, contact your local Beckman Coulter Representative.

REFERENCES

1. Sharrow SO, Arn JS, Stroynowski I, Hood L and Sachs DH. 1989. Epitope clusters of Qa-2 antigens defined by a panel of new monoclonal antibodies. *J Immunol*, 142:3495-3502.
2. Sharabi Y and Sachs DH. 1990. In vivo effects of monoclonal antibodies to distinct epitopes of Qa-2 antigens. *J Exp Med*, 171:211-219.



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