



CELL LAB Hamster Anti-Mouse CD28

| <u>Cat. No.</u> | <u>Form</u> | <u>Quantity</u> |
|-----------------|------------------------------|-----------------|
| 732107 | Purified (UNLB) Antibody | 0.5 mg |
| 732108 | Fluorescein (FITC) Conjugate | 0.5 mg |
| 732109 | Phycoerythrin (PE) Conjugate | 0.1 mg |

For Laboratory Use Only

DESCRIPTION

Clone: PV-1
Isotype: Armenian Hamster IgG
Specificity: Murine CD28

CD28 is a type I disulfide-linked homodimer that is constitutively expressed on most thymocytes, at low density on nearly all CD4⁺ and CD8⁺ peripheral T lymphocytes, and at very low levels on NK cells. Its expression is upregulated upon T-cell activation.¹⁻⁴ CD28 is a ligand for CD80/B7-1 and CD86/B7-2 on B cells and other antigen presenting cells, and plays an important role in the interaction between T cells and B cells.⁵ CD28 is a co-stimulatory receptor involved in many, but not all, T-cell independent immune responses.⁶⁻⁹

APPLICATIONS

- Flow cytometry^{8,9}
- Immunoprecipitation⁸
- *In vitro* co-stimulation of T cells and NK cells^{8,9}

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: Fluorescein conjugate $\leq 3 \mu\text{g}/10^6$ cells
Phycoerythrin conjugate $\leq 0.3 \mu\text{g}/10^6$ 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 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.

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Beckman Coulter, Inc.
4300 N. Harbor Blvd.
Fullerton, CA 92835
www.beckmancoulter.com

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